

Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARCZ40 Graphic (Granmication and disign)

Specific Team (if Applicable): Team 3, william wirt mode school

Author Name(s): Jessica melirnan, Audrey wike, Linda Macsorley

5.9.18

Student Signature

Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC240

Specific Team (if Applicable): Team I, William Wirt Rachel G., Evan L., Heyner. P. Author Name(s):



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LAR (240: Graphic Specific Team (if Applicable):	Communication	and Design
Suitland High School Author Name(s): Win Wanning		
Min Illanung 5/ Student Signature Da	<u>/9</u> /18 ate	



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC 240

Specific Team (if Applicable): Olivia Dulley, Allison Fields

Author Name(s): Maria Harrington

Moris Abroingto 5/9/18 Student Signature Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARY ZAG

Specific Team (if Applicable): South Jeckson Beyond the Author Name(s): GREGORY J. REMETON ABBY SM: to Character



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: Larc 240

Specific Team (if Applicable): Rachael Greenhauk, Heyner Pajaro

Author Name(s): Evan Lipka

Student Signature 5/9/18
Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC 240

Specific Team (if Applicable): Allison Fields, Maria Harrington, Olivia Duley

Author Name(s): Olivia Ducey

tudent Signature Da



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost. nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: /ARC 240

Specific Team (if Applicable): Jessica Minnen & Linda M

Author Name(s): Audicy Wilke



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC240

Specific Team (if Applicable): Evan Schaum, Kyan Young

Author Name(s): Costherine General

Student Signature Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost. nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC 240

Specific Team (if Applicable): 75 Am #3 AUDICY WILKE, LIWIS MACSOLLEY,

Author Name(s): LIWIA MACSOLLEY

JESSICH M.

Date

Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost. nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LARC240: Graphic Communication

Specific Team (if Applicable): Ryan Young; Catherne Garcia

Author Name(s):



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title: LAP (240: Graphic Communication

Specific Team (if Applicable): Mia manning

Author Name(s):

Student Signature

Date



Products, including technical reports, posters, presentations, etc., are posted on DRUM. This system provides very good access to the work of the PALS students and faculty to the larger community. Before results can be posted on the DRUM site, we need a copyright release from the student team. If you agree to having your research deposited in DRUM (Digital Repository at the University of Maryland) locate at http://drum.lib.umd.edu/, please read the DRUM license below and fill out the fields at the end. Your response to us is your agreement to the license.

By signing and submitting this agreement, I grant the University of Maryland a no cost, nonexclusive, right and license to include the scholarly material identified below in the Digital Repository at the University of Maryland ("DRUM") and, through DRUM, to reproduce, publicly display and distribute the material at no cost to users world-wide provided the University does not alter the content of the material. I understand that if I wish to publish the material with a third party that requires me to assign to it all my rights in the material, I may direct the University to remove the material from DRUM. In such an event, I understand that a bibliographic reference to the material will be retained in DRUM, but the material will be removed to a "dark archive" that is not publicly accessible. I represent that I am the sole or joint owner of the entire copyright in the material or, to the extent that I do not hold copyright in any part of the material, that I have written authority from the owner of copyright to grant this license to the University of Maryland. If the material is based on work that was sponsored or supported by an agency or entity other than the University of Maryland, I represent that I complied with any requirements the sponsor may have imposed on publication including a right of review or inclusion of an acknowledgement of its support.

This agreement will be interpreted and governed in accordance with applicable Federal law and the laws of the State of Maryland without reference to its conflict of laws rules.

Class Number or Title:

LARC 240

Specific Team (if Applicable):

William Wirt

Author Name(s): Rachel Greenhauk, Heyner Pajaro, Evan Lipka

Student Signature

Date