

# ICS Website Redesign

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## **UML Design Draft #1**

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## REVISION HISTORY

- **11/7/2017**
  - UML Design Draft #1 Document created and formatted
- **11/8/2017**
  - Include and prioritize User Stories
  - Include sections: “UML Sequence Diagrams”, “UML Class Diagram”, “Additional Diagrams”
  - Decide on UML Sequence Diagram: Undergraduate Student
  - Decide on Additional Diagram: State Diagram
  - Add UML Sequence Diagram for Undergraduate Student

## USER STORIES

### Must Haves

- As an undergraduate student, I want to look up classes being offered during the academic year so that I can plan out my classes for the year.
- As an undergraduate student, I want to figure out how to get advising on classes and my future career path so that I can make sure I graduate and meet my career goals.
- As a project sponsor, I want to look up research projects so that I sponsor a project with students
- As a graduate student, I want to look up different doctorate degrees being offered so that I can choose the right PhD program that matches my interests.
- As a graduate student, I want to search for possible internships and research opportunities so that I can gain more experience in my field of study.
- As an alumni, I want to look up how to give back to the school so that I can be more involved after graduation.
- As an undergraduate student, I want to look up events such as upcoming career fairs, workshops, meetups, and technical talks, so that I can network with industry professionals and meet my career goals.
- As an undecided undergraduate student who isn't sure of my field of study, I want to be able to easily look up and compare the course requirements of different majors.
- As an undergraduate student, I want to contact the ICS Student Affairs Office so that I can schedule an appointment with an academic counselor or go in for walk-in hours.
- As a prospective faculty member, I want to be able to look into faculty recruitment so that I can learn more about the school, its culture, and what it has to offer.

- As an undergraduate Informatics student, I want to learn about the different fields and specializations and how I can apply what I'm learning in class, to the industry.

### Nice To Have

- As a faculty member, I want to easily navigate through the ICS website so that I can maintain the faculty directory and make possible revisions.

### Great if We Can Get to It

- User feedback

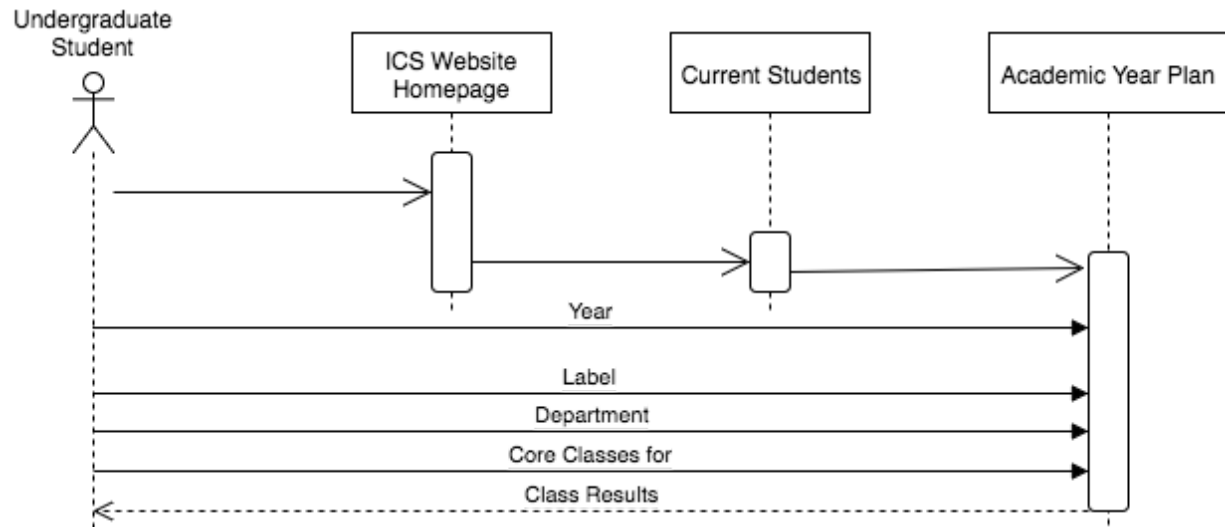
## UML Sequence Diagrams

### UNDERGRADUATE STUDENT

As an **undergraduate student**, I want to look up classes being offered during the academic year so that I can plan out my classes for the year.

#### Sequence Diagram

1. Undergraduate student indicates wish to look up ICS Academic Year Plan.
2. Student visits the ICS Website.
3. Student hovers over "Current Students" in the secondary navigation bar.
4. Student clicks on "Academic Year Plan".
5. Student selects the desired year in the drop down field labeled "Year".
6. Student selects the desired course level in the drop down field labeled "Level".
7. Student selects the desired course department in the drop down field labeled "Department".
8. Student selects the desired ICS Major in the drop down field labeled "Core Classes for".
9. Student clicks the "Submit" button.
10. Student is able to view the classes being offered during the year.

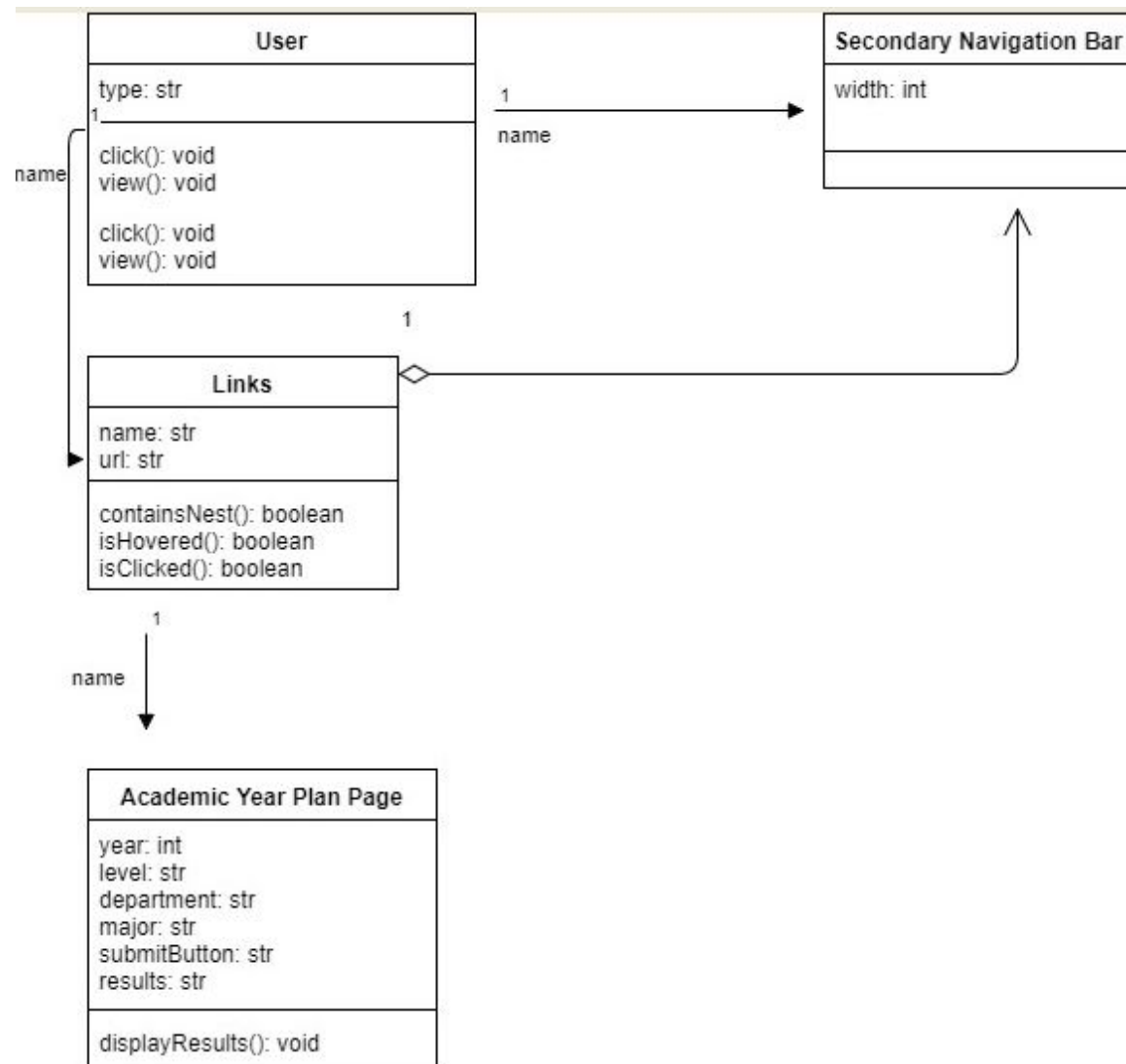


## Class Diagram

- Based off of the Sequence Diagram above (**Celine**)
  - User
    - Type (i.e. Undergrad student, Grad student, Faculty, etc.)
    - click(): void
    - view(): void
  - Secondary Navigation Bar
    - Width
  - Links
    - Name
    - URL
    - containsNest(): boolean
    - isHovered(): boolean
    - isClicked(): boolean
  - Academic Year Plan Page
    - Year
    - Level
    - Department
    - Core Classes for
    - Submit button
    - Results
    - displayResults(): void

## UML Class Diagram

- Summarizing classes from all class diagrams in above section



## Additional Diagrams

### STATE DIAGRAM

- State diagram (basic, simple) (**Chanelle**)

