

UPLAN



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PROJECT RECAP



- A problem that all students encounter: Time Management
- College students have to balance their school, work, and social lives
- Prioritizing one category over another leads to:
 - Missed deadlines
 - A lack of consistency in exercising and eating healthy
 - Loss of friendships
 - A lot of frustration

SOLUTION: UPLAN

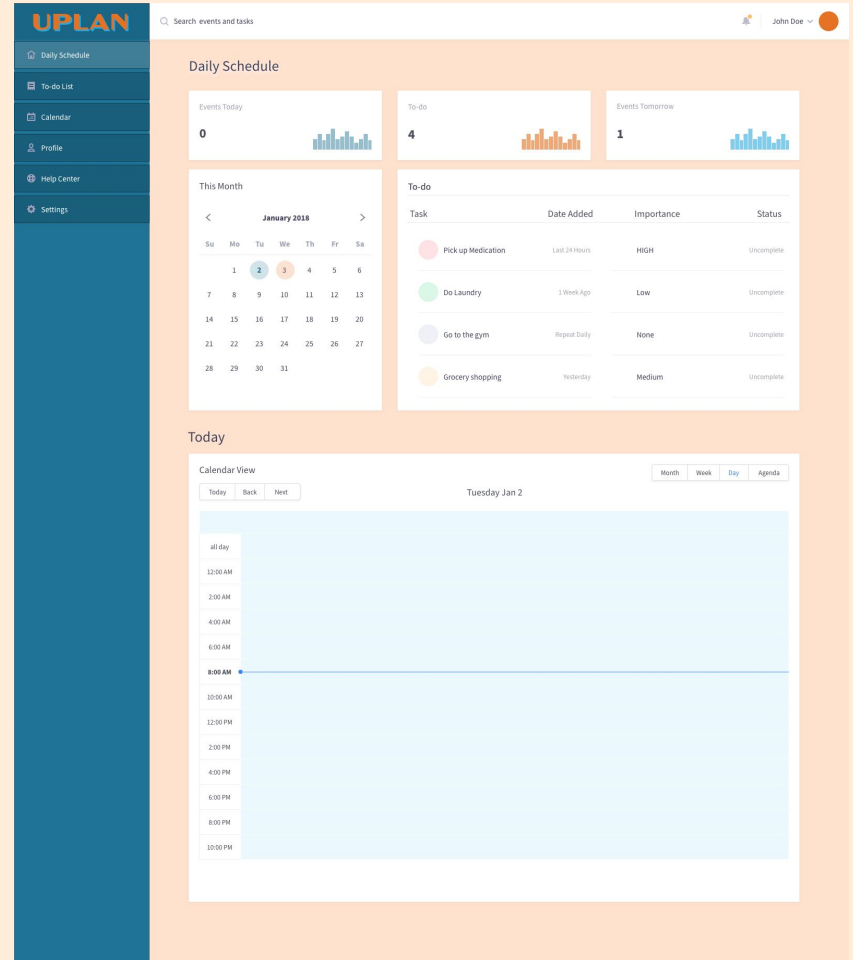
UPLAN



- Features a daily schedule which users can use to organize their lives
 - Made up of the user's to do list and their calendar
- Calendar
 - Daily, Weekly, and Monthly overview of the user's calendar
 - Events: time and date sensitive appointments that live within the user's calendar
- To-Do List
 - Overview of To-do view with prioritization by colors
 - Tasks: Daily, weekly, or monthly activities that live within a user's to do list
- Reminders based on time and date for events

FEATURES

- Login
- Create User Profile
- View Daily Schedule
- Logout
- View Calendar
- Create Event
- View To-Do list
- Create Task
- Reminder Notifications

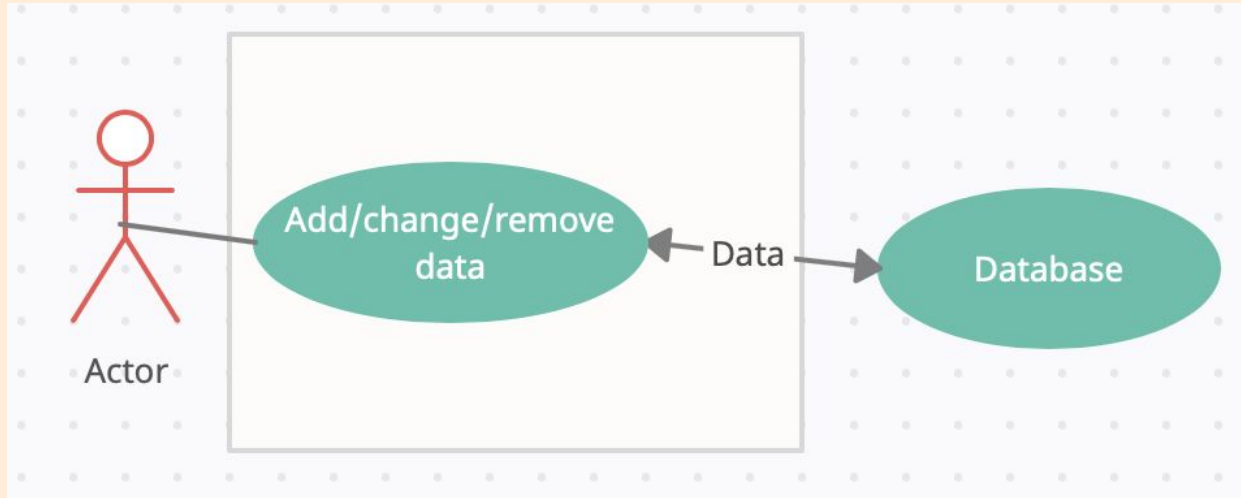


SYSTEM OVERVIEW

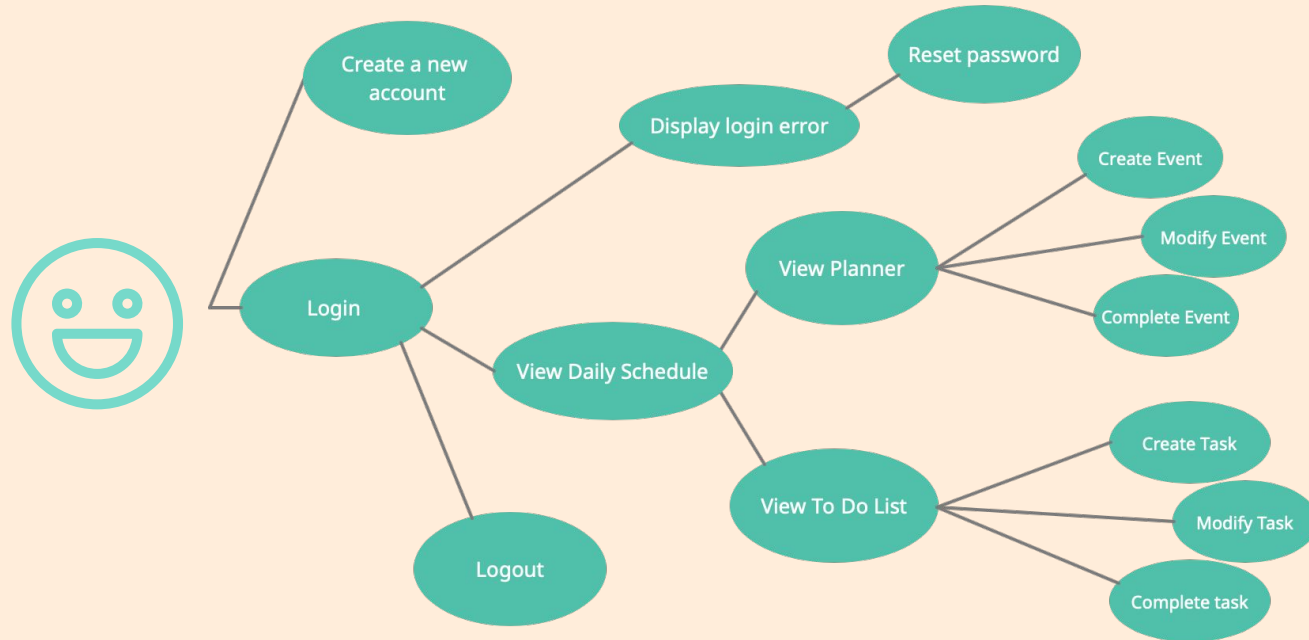
- Composed of the website & database
 - Website will be hosted through github (Github Pages)
 - Database will be hosted by MySQL
- External Factor will be categorized as either a task or event
 - Feed into a dashboard view
- MySQL
 - Data is encrypted
 - Interact with data and database using MySQL and PHP



SYSTEM'S COMPONENTS USING SYSTEM DIAGRAM



USE CASE DIAGRAM



ACTORS THAT CAN INTERACT WITH THE SYSTEM



- Actor: Client
 - User will create the start of external events that trigger rest of the system
 - Currently, users are University of Miami students, but eventually all college students
- Actor: Server
 - MySQL manages and retrieves data from the website
- Actor: Time
 - Specific times will trigger notifications
- Actor: MySQL
 - Retrieves and stores data

ARCHITECTURAL STYLE: EVENT DRIVEN



- System is based on this architecture style
- Two main triggers as the External Factors
 - Event
 - Task
- Significant Change in State with triggered External Factor
- The external factor travels our system until it reaches our event “sink”
 - MySQL
- There are 2 event channels
 - To Do Channel
 - Calendar Channel

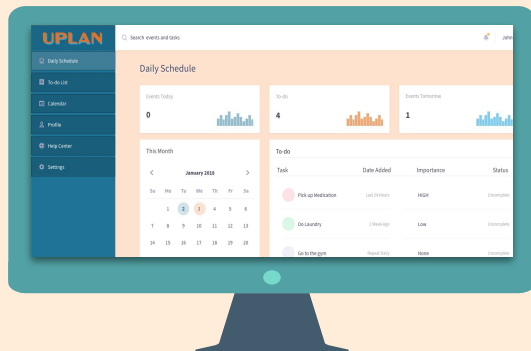
DESIGN PATTERN: FACTORY METHOD



- An interface for choosing the object
 - Lets a class decide which class to instantiate
 - Pattern that best fits overall system design & architecture
- Since event class that is created does not have to be known ahead of time, the external factor (user) is the one who chooses the class
- Both of the two main events (event or task) fall under a central class (external events)

DESIGN PATTERN: DECORATOR

- Adds functionality to an existing component without modifying the source code
- Allows us to add same functionality of calendar events to to-do tasks without having to change any code
- Very convenient & efficient especially for projects with a time deadline

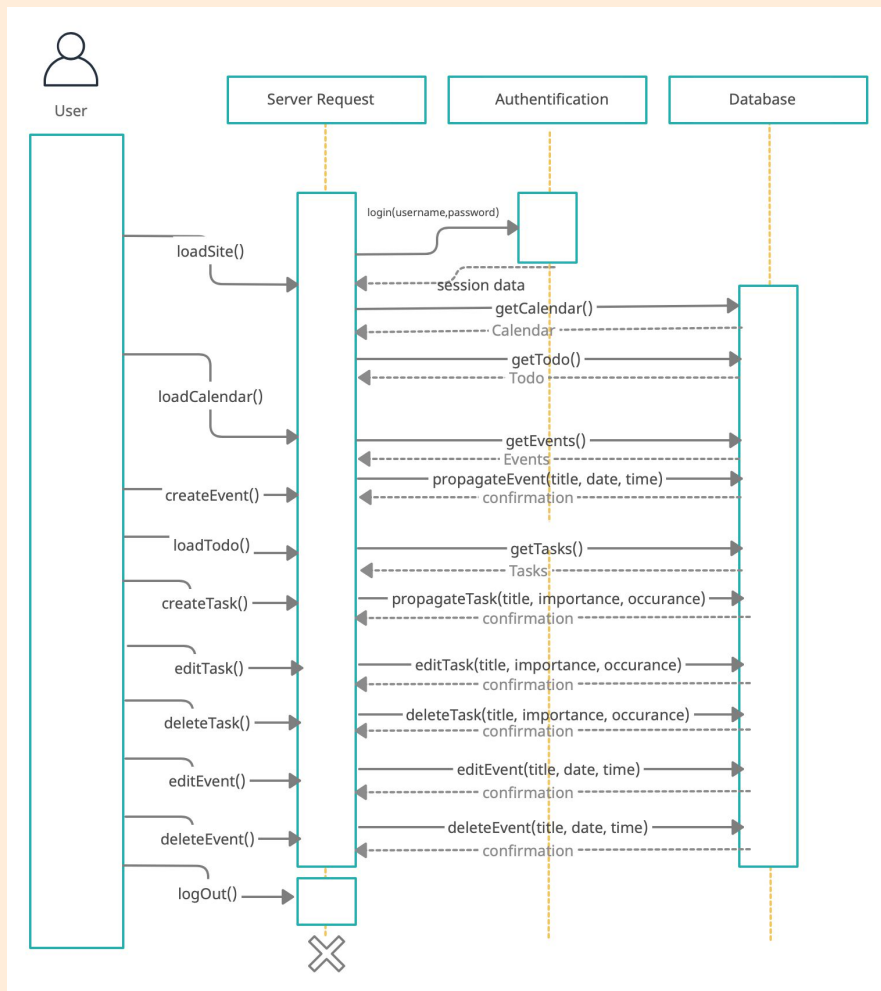


PROPOSED FRAMEWORK: BOOTSTRAP

- Open source CSS front-end framework
- Allows us to work with PHP and MySQL to manage the data
- Bootstrap provides a framework for responsive design

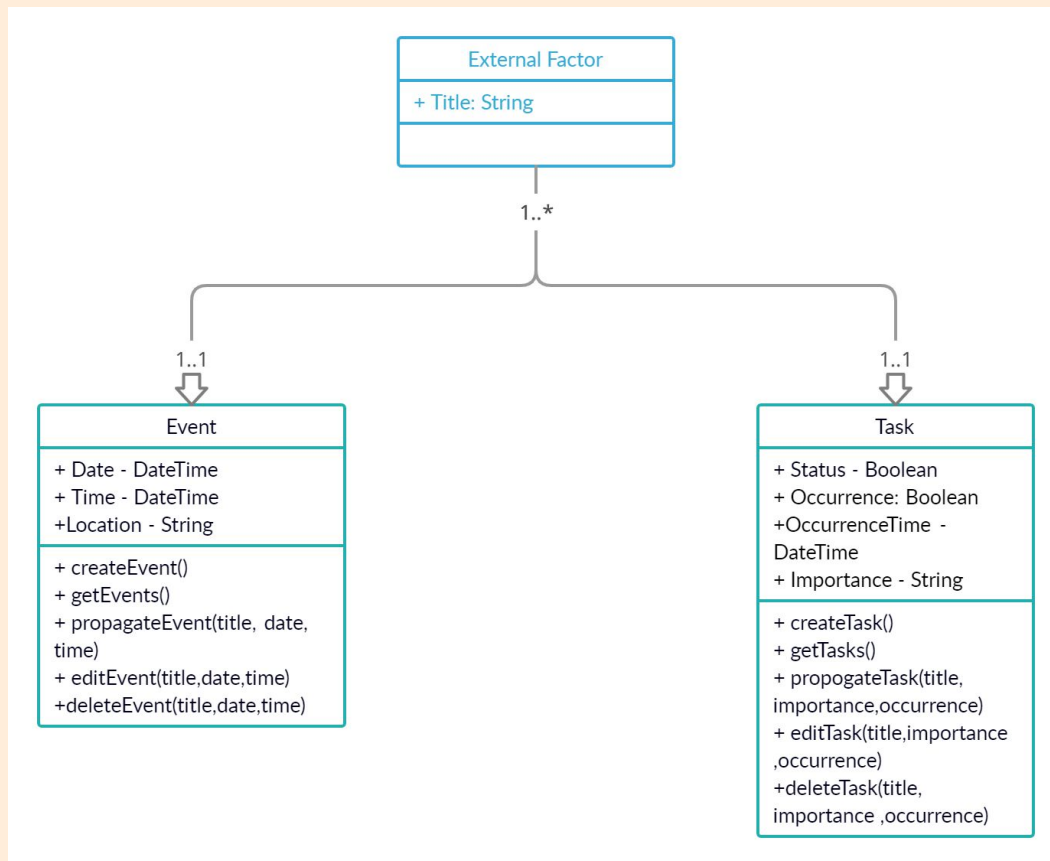


SEQUENCE DIAGRAM



CLASS DIAGRAM

- Event and Task extend External Factor
- Meaning any response that happens is an External Factor, which then feeds into an Event or Task



PROJECT MOCKUP

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First name

Last name

Username

Email

Password

Confirm Password

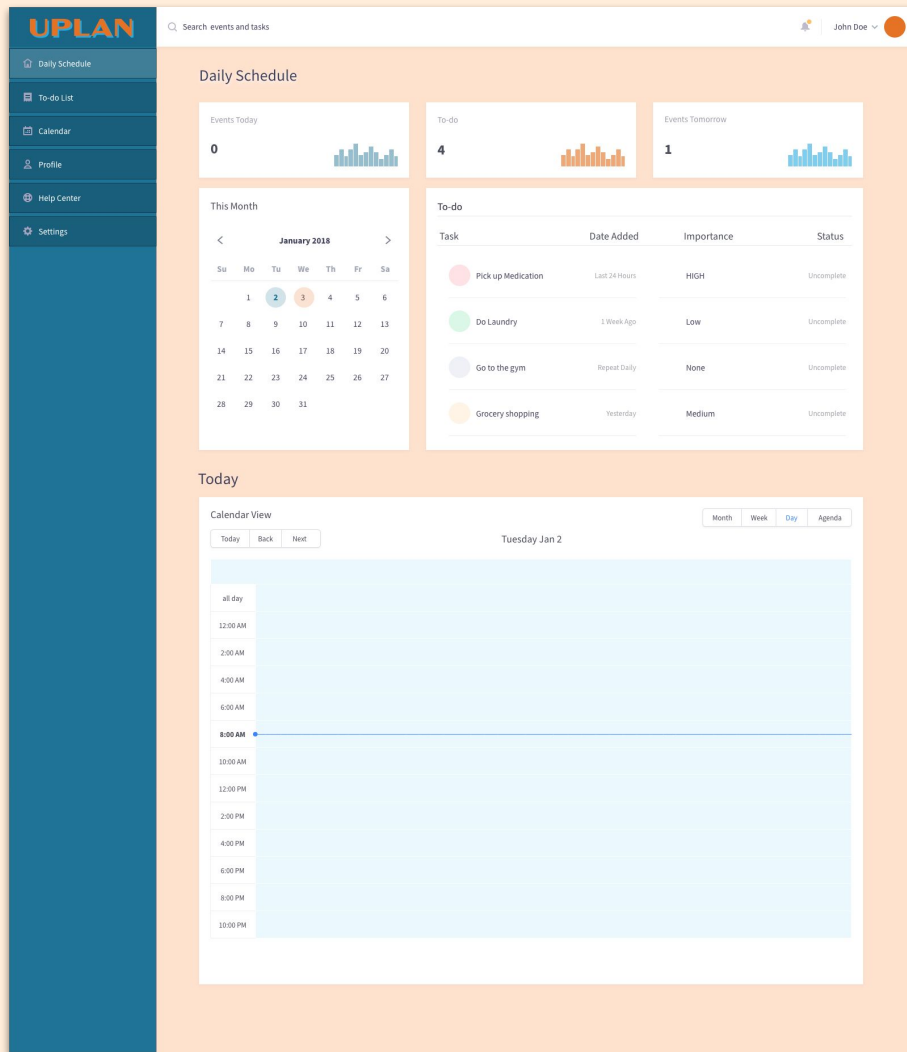
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PROJECT PLANNING ON GITHUB

dnfny / UPlan

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main 1 branch 0 tags

Go to file Add file Code

marianabaquerod Delete srs 530a0bb 9 hours ago 13 commits

SAS	Add files via upload	yesterday
SRS	Delete srs	9 hours ago
LICENSE	Initial commit	last month
README.md	Update README.md	yesterday
Software Engineering Pitch.pdf	Add files via upload	yesterday
Team5_MidtermPresentation.pdf	Add files via upload	12 days ago

README.md

UPlan

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Submitted in partial fulfillment Of the requirements of CSC-431 Software Engineering course project

GITHUB LINK

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QUESTIONS?