POWELL PUFF 38

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TA: 💖 Allison 💖

App Description

Schedule Planner

- stores class times & details
    - finals schedule
    - possible extension for pulling from webreg
- tracks assignments
    - due dates, color coordinated (by class)
    - tools for scheduling out work-time for assignments
- tracks quiz & exam times
    - reminders to study for exams
    - don't be surprised week 11 what final you have first!

Implementation Details

Product:

- Hosted site on GitHub Pages

- HTML/CSS user interface

    - Single page with tabs.

    - Individual *views* manipulated via javascript for live updating of elements and data access.

- Database: .json storage implementation in browser storage

    - Exportable for archiving.

    - Upgraded to SQL styles database if time allows.

Minimum Viable Product

- no importing schedule from WebReg
- one working view (Today View)
    - no live updating (refresh)
- classes & tasks in appropriate locations
    - no detail views
- fixed time window (6A-12A)
- tasks show up
- manually add information in settings window.
    - With automatic repeating for each week for classes.
    - Tasks assigned to classes

Nice to have features (if time permits)

- 4 different, fully functional views
- Live-updating UI
  - "now" line
- WebReg Parsing
- Time Blocking assisting
  - for exam/finals studying
  - for completing assignments

- More database integrations
- Desktop notifications
- Export/Import
  - Class schedule archiving
  - .ics calendar files
- Support for mobile browsers
- Time zones

User Experience

Setup:

- Import schedule from webreg HTML
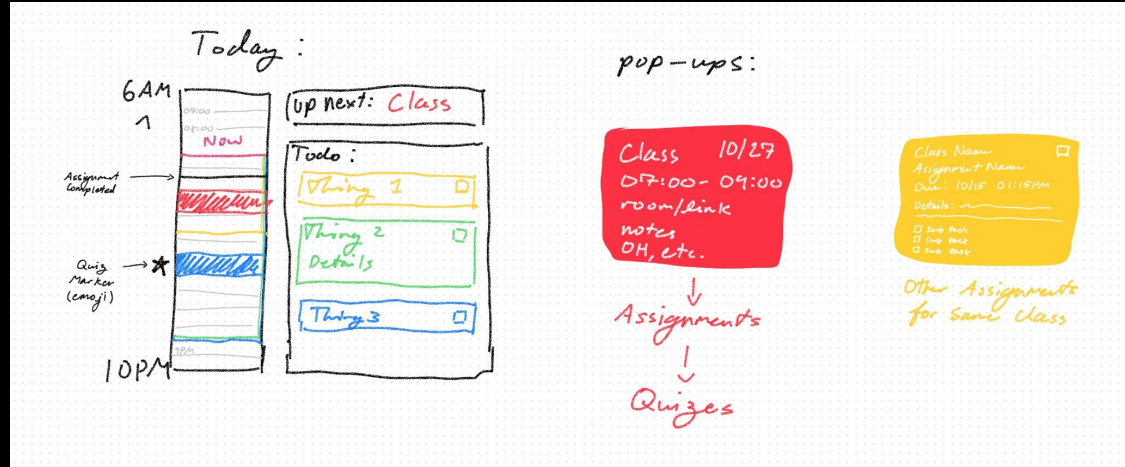- Manually add labs, internships, etc.

Usage:

- Add assignments for each class as they become available.
- Today view shows what to work on next.
- Close all your colors (complete assignments) to track your work for the day.
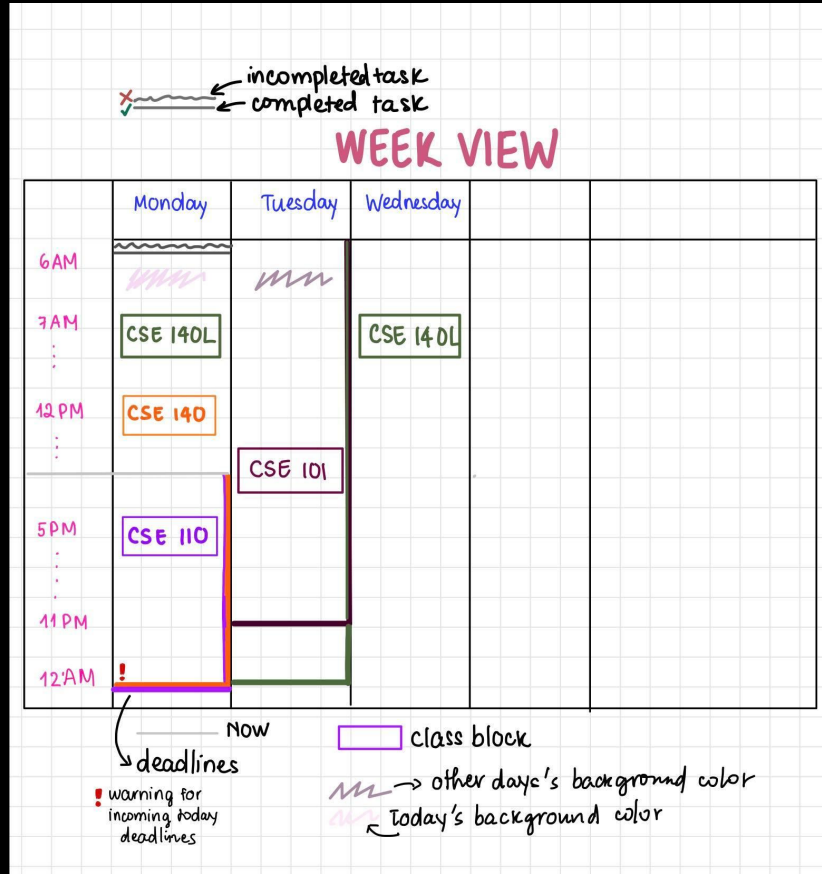
Visual Design

Use color to track class times & assignments.

Different Views for organizing information:

- Today view
- Week view
- Quarter view
- Finals view
- Tasks

Week View

½ & Full Quarter Views

Finals View

Final View

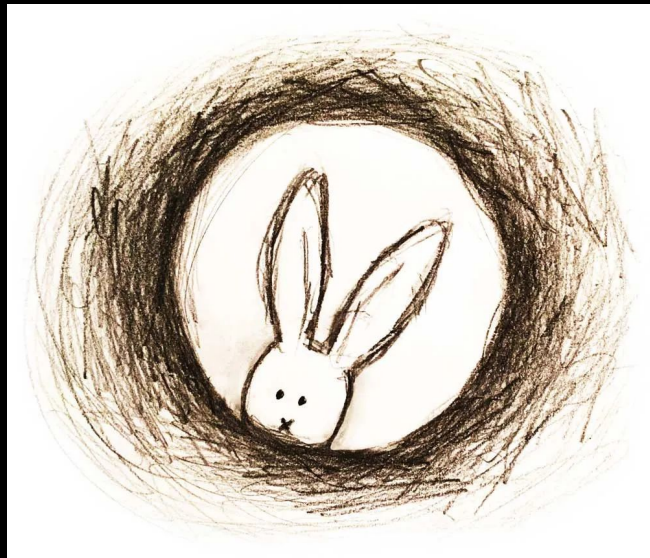|	Sat	Mon	Tue	Wed	Thu	Fri	Sun
6am							
7am							
8am		CSE 101 Final exam					
.							
.							
12am	CSE 100 Final exam						
1pm							
2pm					CSE 110 Final project		
.							
.							
.							
10pm							

Risks & Rabbit Holes

Project:

- Short, 4 Week Timeline.
- High learning curve for web development (little prior experience)
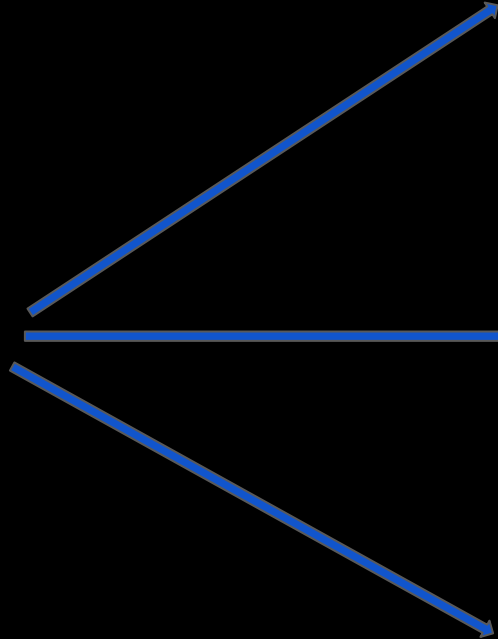- Large initial feature base (will likely need to cut things)

Technical:

- Complex & Live UI may be difficult to implement
- Parsing webreg information may be difficult.
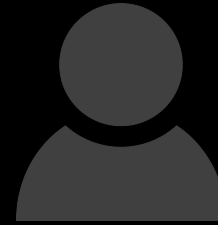- Complex information relationships to manage in database.
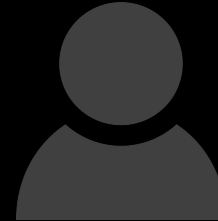
Personas

USERS
TYPES

Student

Professor

TA/IA

User Persona #1 (Student/TA)

Name: Charlotte Johnson

Age: 21

Occupation: Undergraduate student and TA

Motivations: Achievement

Growth

Goals: Motivated

Loves being organized

Wants to get done with deadlines as early as possible

Does not like forgetting about work due

Wants to pre-plan her days for peace of mind, and stress and time management

Frustrations: Forgetful

Does not check phone too often if there are no notifications

User Persona #2 (Professor)

Name: Thomas Powell

Age: 54

Occupation: Professor

Motivations: Achievement

Goals: Manage timelines and meetings with a lot of students,

TAs and other faculty

Loves being organized

Wants to have a good sense of the deadlines assigned

Wants to ensure smooth running of a course schedule

Wants to pre-plan his days for peace of mind, and stress and time management

Frustrations: Does not check phone too often if there are no notifications

Has too many people's schedules to keep in mind apart from him own

Database Design

Three Tables:

Classes Table: (defines basic information for recurring events)

- association (class-code, "personal", etc.) ""
- final Date & Time
- class times array [time]
- lab time
- discussion time

Event Table: (stores basic calendar information for specific occurrences of events)

- start & end time
- weekday 0-6
- event name ""
- association ""
- exam dates [""]

Task Table: (stores due-date information for todo-type things)

- task type (todo, assignment, subtask) ""
- due date
- association ""
- description ""
- link ""
- task name ""
- subtasks [""]

Statement of Purpose

Stress free, time efficient and organized

Save time and mitigate stress for students:

- Reduce friction for building schedules

- Tracking deadlines and upcoming exams to assist in blocking work-time.

- Get a clear picture of a day before starting.

Timeline & Roadmap

1. **Week 5:** Formation of groups and role assignments.
2. **Week 6:** Planning + Early development
    - Deciding on proper tools for development and debugging.
    - Deciding on the documentation style.
    - Build basic app structure.
    - Start working in groups.
3. **Week 7:** Pages setup (if not partially functional)
    - data entry and saving working (.json)
    - demo of today-view working.
4. **Week 8:** Finish Core Features
    - Proper operation of classes & tasks
    - Have minimum viable product in place
5. **Week 9:** Border features (outside of MVP)
    - Implementing extended features if possible.
    - Testing and debugging UI and MVP.
6. **Week 10:** Finalize documentation.
    - Throw a party if we get an A on the project.