Development Plan

eTimely

TEAM: MATT KORTE, CALEB OBI, CHRIS GUMIENY, & SAMIA CHOWDHURY
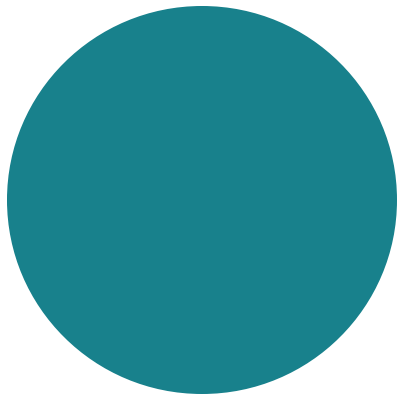
GRADUATE TEACHING ASSISTANT: GAYATHRI DARLA

Project Overview

- Problem
  - Communication for scheduling methods are inefficient
  - Causes confusion which leads to missed shifts
- Solution
  - Webapp with tools to fix these issues
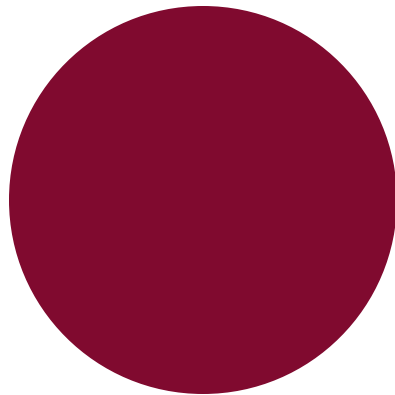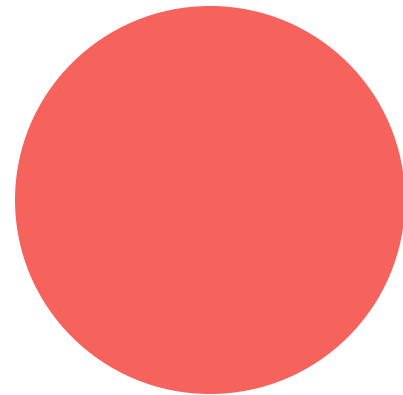 - Common place to communicate with entire team

Project Purpose

Alleviate the emphasis verbal communication and memory

Enhance communication between all members of the team

Prevent errors in schedule

Project Scope

"Business" Account Type

- Ran by management
- Creates and shares schedule to employees
- Can post mass announcements
- Approve availability, requests off and shift changes

"Staff" Account Type

- Each employee creates their own
- Enter availability, requests off
- Post to message board
- Request shift trade

Project Objective

Create an easy-to-use interface which displays each landing page in a robust manner

Create an area for employees to put in their availability

Create an area for employees to change or offer up their shift

Cut down on miscommunication regarding work schedules between the team members

Team Organization

- Matthew Korte
  - Team Lead

- Chris Gumieny
  - UI/Frontend Lead

- Caleb Obi
  - Database/Backend and QA Lead

- Samia Chowdhury
  - Documentation, Presentation, and Communication Lead

Weekly Meetings

- Team Meetings
  - Wednesdays 6:00pm – 9:00pm
  - Fridays 6:00pm – 9:00pm

- GTA Meetings
  - Saturdays 2:00pm – 4:00pm (time and day to be confirmed)

Problem Resolution Policies

- Members must attend all meetings
  - Exception for one week notice with valid reason
- Members must commit code changes regularly
  - Approximately end of each week
- Members must get approval to merge
- Vote to solve any conflicts
  - Section/team lead is tiebreaker
- Three strike policy

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Project Plan

Requirements Gathering (TBD)

Prototype 1 (TBD)

Design Specification (TBD)

Prototype 2 (TBD)

Prototype 3 (TBD)

Testing Plan (TBD)

Final Product (TBD)

Configuration Management Plan

Zoom
Regular meetings

Discord
Main method of communication

GitHub
Code repository

Jira
Sprint planning and task tracking

Technologies

- Frontend
  - ReactJS v17.0.2

- Backend
  - NodeJS v16.13.2
  - ExpressJS v4.17.2

- Database
  - Cloud Firestore

- Testing
  - Jest (Frontend & Backend) v27.4
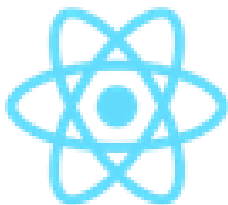
- Hosting & Deployment
  - Firebase

Figure 1   Figure 2   Figure 3   Figure 4

Image References

- Figure 1
  - https://www.iconfinder.com/icons/1175544/firebase_google_icon

- Figure 2
  - https://logosvector.net/wp-content/uploads/2015/09/nodejs-logo.png

- Figure 3
  - https://mnmapplications.com/wp-content/uploads/2020/01/Firebase-Cloud-Firestore.png

- Figure 4
  - https://d2eip9sf3oo6c2.cloudfront.net/tags/images/000/000/940/square_480/jestlogo.png

Thank You!

ANY QUESTIONS?