

eTimely

Team:

- Matt Korte
- Caleb Obi
- Chris Gumieny
- Samia Chowdhury

Graduate Teaching Assistant: Gayathri Darla

Project Overview

- Having full staff is important in the services industry
- Creating and communicating a schedule is difficult
- We want to make it easier for manager to approve trade and cover shifts

Purpose, Solution, and Objectives

- Develop a web application to help companies maintain schedules
- Businesses can make their own account, which all employees are linked to.
- Employees can enter availability and days off
- Managers can create and assign schedule

Team Organization

- Matthew Korte
 - Team Lead
- Chris Gumieny
 - UI/Frontend Lead
- Caleb Obi
 - Database/Backend and Presentation Lead
- Samia Chowdhury
 - Quality Assurance and Documentation Lead

Weekly Meetings & Availability

- Team Meetings
 - Tuesday 7:30 p.m. to 9:30 p.m.
 - Wednesday 6:00 p.m. to 8:00 p.m.
 - Saturday 2:00 p.m. to 5:00 p.m.
- GTA Meetings (TBD)
 - Friday 6:00 p.m. to 7:00 p.m.

Problem Resolution Policies

- 3 strike policy
 1. Warning
 2. Discuss with GTA
 3. Discuss with Professor
- Members must attend all meetings
 - Exception for 1 week notice with valid reason
- Members are expected to commit code changes to GitHub regularly
 - Approximately end of each week
- Members must get approval from Team Lead before merging into main
- Vote to solve any conflicts
 - Section/team lead is tie breaker

Project Plan (Iterations, Project Schedule)

- Requirements Gathering
 - Setup GitHub Repository
 - Setup Jira for sprint planning
 - Setup database connection
 - Learn development technologies
- First Prototype
 - Make a home landing page
 - Users login/signup authentication
 - Allow employees to input availability
 - Navigation UI
- Second Prototype
 - Message Communication Features (message board)
 - Make sure business account can see employee availability
 - Ensure schedule can be created and shared
- Final Prototype
 - All features should be implemented

Technology Stack

- Frontend
 - ReactJS (JSX/HTML, CSS) v17.0.2
- Backend
 - NodeJS v16.13.2
 - ExpressJS v4.17.2
- Database
 - Cloud Firestore
- Testing
 - Jest (Frontend & Backend) v27.4
 - Insomnia Rest Client
- Hosting & Deployment
 - Firebase

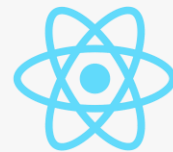
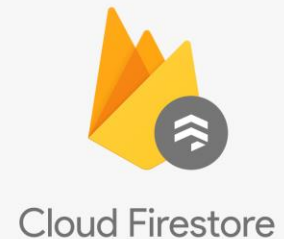


Figure 1



Figure 2



Cloud Firestore

Figure 3



Figure 4

Configuration Management Plan

- Discord
 - Communication
 - Weekly meetings
 - Announcement
 - Group Chat
- Jira
 - Sprint planning
 - User stories and Issues
 - Bug Resolution
 - Task Tracking
- GitHub
 - Code repository
 - Code Review
 - Pull Requests
- Zoom
 - Client/GTA meetings

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://www.pngitem.com/pimgs/m/31-316562_firebase-firestore-png-transparent-png.png
- Figure 4
 - https://d2eip9sf3oo6c2.cloudfront.net/tags/images/000/000/940/square_480/jestlogo.png

Thank You!
Any Questions?