Alpha Presentation
Evolutio Project Reporting Tool

The Capstone Experience

Team Evolutio
Satya Byreddy
Juan Faure
Rushil Mantripragada
Arjun Gupta
Ammar Elkaafrawy

Department of Computer Science and Engineering
Michigan State University
Spring 2024
Project Overview

• Evolutio struggles with finding a way to present key information to their stakeholders in an organized/timely manner.

• Team Evolutio has created a project reporting tool that allows consultants and clients to oversee projects and progress through status reports, progress timelines, and task overviews.

• Consultants and stakeholders alike are able to share key information through a dynamic exportation feature.
System Architecture

Backend Technologies
- docker
- Node
- Node-Cron
- Postgres

Frontend Technologies
- Next.js
- NextAuth.js
- okta
- Express
- JS

Asana API
Project Dashboard

The Capstone Experience

Team Evolutio Alpha Presentation
The Capstone Experience

Team Evolutio Alpha Presentation

Project Description Page

---

**Latest Status Update**

**Summary**
The project is on track and we expect to deliver the MVP by the end of the month. All the features are implemented and we are currently working on the final testing phase. Based on the current progress, we are confident that we will meet the deadline.

**Task List**
- To do
  - DoHg
    - Create Okta Sign In Page & Okta Integration, Okta UI
    - Create project description header/cover page option
    - Email Scheduler backend
  - In-review
  - Done

**Project Timeline**

<table>
<thead>
<tr>
<th>Sections</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
</tr>
</thead>
</table>

---

...
Email Scheduler Dashboard
Exported Project PDF Report

Summary
The project is on track and we expect to deliver the MVP by the end of the month. All the features are implemented and we are currently working on the final testing phase. Based on the current progress, we are confident that we will meet the deadline.

Tasks List
- Implement User Auth
  - Frontend Login UI
  - Backend Authentication Service
- Database Schema Design
  - User Table Design
- Implement Email Notification System
  - Email Template Design
  - Email Sending Service Integration

Timeline Overview
<table>
<thead>
<tr>
<th>Section</th>
<th>Name</th>
<th>Started On</th>
<th>Completed</th>
<th>Completed At</th>
<th>Assignee</th>
</tr>
</thead>
<tbody>
<tr>
<td>task_1</td>
<td>Implement User Auth</td>
<td>2/1/2024</td>
<td>Yes</td>
<td>2/8/2024</td>
<td>Alice Johnson</td>
</tr>
<tr>
<td>task_2</td>
<td>Database Schema Design</td>
<td>2/5/2024</td>
<td>No</td>
<td>In Progress</td>
<td>Bob Smith</td>
</tr>
<tr>
<td>task_3</td>
<td>Implement Email Notification System</td>
<td>2/7/2024</td>
<td>No</td>
<td>In Progress</td>
<td>Diana Reed</td>
</tr>
</tbody>
</table>
What’s left to do?

- Adding client images to reports
- Implementing more options for PDF Reports
- Further improving speed of API calls
- Refining UI
Questions?