

MICHIGAN STATE

UNIVERSITY

Beta Presentation

Evolutio Project Reporting Tool

The Capstone Experience

Team Evolutio

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*From Students...
...to Professionals*

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.



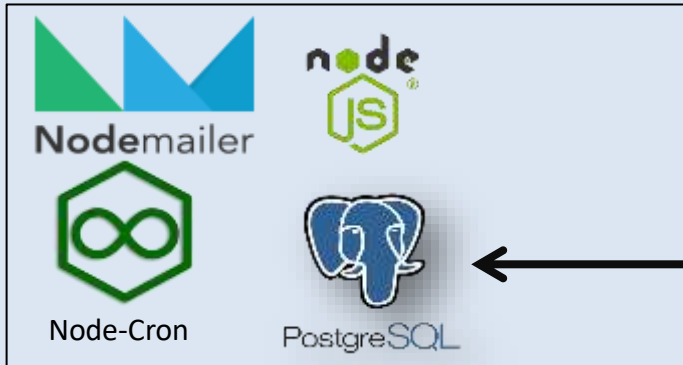
System Architecture

aws Evolutio Amazon Web Server

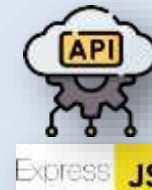
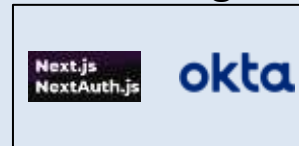
Kubernetes Cluster

docker

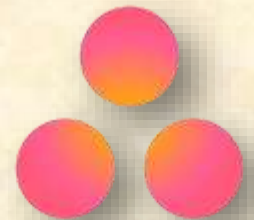
Backend Technologies



Frontend Technologies



Asana API



Project Dashboard

The screenshot displays the Evolutio Project Dashboard in a web browser. The browser's address bar shows the URL `localhost:3000/dashboard`. The dashboard header features the Evolutio logo on the left and a 'Logout' button on the right. Below the header, the 'Current Projects' section is visible, with tabs for 'Table' and 'Board' (the active view). A search bar and filter options for 'Status', 'Team', and 'Owner' are present. The dashboard contains six project cards arranged in a 2x3 grid:

- Evo Project Reporting Tool**: Status 'On track' (green), Team: My workspace, Owner: Satya Byreddy, Due Date: February 9, 2024.
- Digital Acquisition**: Status 'On hold' (blue), Team: My workspace, Owner: Ammar Elkafrawy, Due Date: February 26, 2024.
- Market Expansion Initiative**: Status 'On track' (green), Team: My workspace, Owner: Ammar Elkafrawy, Due Date: February 25, 2024.
- NextGen Product Development**: Status 'At risk' (red), Team: My workspace, Owner: Ammar Elkafrawy, Due Date: March 31, 2024.
- Global IT Infrastructure Upgrade**: Status 'At risk' (yellow), Team: My workspace, Owner: Ammar Elkafrawy, Due Date: March 7, 2024.
- SAP Engagement Template - WIP**: Status 'On track' (green), Team: Parts Town, Owner: Jordan Cobe, Due Date: December 31, 1969.

The browser's developer console at the bottom left shows the URL `localhost:3000/dashboard/1191454551277461`.



Project Description Page

The screenshot displays the 'Evo Project Reporting Tool' interface. At the top, there's a navigation bar with the 'evolutio' logo and a 'Logout' button. Below this, the page title is 'Evo Project Reporting Tool' with three action buttons: 'Upload Company Logo', 'Schedule Email Report', and 'Export'. The main content area is divided into three sections:

- Latest Status Update:** A card showing a status update from 'Satya Ilyeddy' with a status of 'On Track' and a date of 'Tue Feb 20 2024'. The summary states: 'The project is on track and we will meet the final deadline! We have an MVP ready, and with some UI and feature adjustments, we will be ready for Beta presentations. We are currently testing and reporting bugs we need to handle. By consistently meeting with the clients we can keep track of, and adjust our application based on the end users' needs. Considering our current progress we are confident the deadline will be met!'
- Task List:** A list of tasks categorized by status: 'To do', 'Doing', 'In-Review', and 'Done'. The 'To do' list includes: 'Replace table view of timeline in pdf with real timeline-like thing', 'tune up the projects dashboard page for scalability. (show recent projects, etc: shorter rendering.)', 'Collapsible task list option in generated pdf report', 'checking status updates from week to week for email scheduler (add column to both project page and email dashboard)', 'Restructure pdf formatting and generation code to make it robust and always work', and 'asana access token'.
- Project Timeline:** A calendar view showing dates from March 22 to April 11, 2024.



Email Scheduler Dashboard

The screenshot shows a web browser window displaying the 'Email Scheduler Dashboard' for 'evolutio'. The dashboard includes a 'Schedule Email' button and a search bar. Below is a table of scheduled emails:

| Project Name | Email Scheduled Send Date | Recipients | Frequency | Actions |
|----------------------------------|---------------------------|------------------------|-----------|-------------|
| Digital Acquisition | February 20, 2024 | email@email.com | Weekly | Delete Edit |
| Market Expansion Initiative | March 1, 2024 | email@email.com | Weekly | Delete Edit |
| Global IT Infrastructure Upgrade | February 20, 2024 | email@email.com | Daily | Delete Edit |
| SAP Engagement Template - WIP | February 20, 2024 | satyabyreddy@gmail.com | Daily | Delete Edit |
| Evo Project Reporting Tool | February 21, 2024 | recipients@example.com | Daily | Delete Edit |
| Evo Project Reporting Tool | February 21, 2024 | recipient@example.com | Daily | Delete Edit |
| Evo Project Reporting Tool | March 15, 2024 | test@email.com | Daily | Delete Edit |
| Evo Project Reporting Tool | March 19, 2024 | test@email.com | Weekly | Delete Edit |
| Evo Project Reporting Tool | March 19, 2024 | test@arjun.com | Weekly | Delete Edit |



Exported Project PDF Report

Satya Byreddy 2/20/2024
On Track

Summary
The project is on track and we will meet the final deadline! We have an MVP ready, and with some UI and feature adjustments, we will be ready for Beta presentations. We are currently testing and reporting bugs we need to handle. By consistently meeting with the clients we can keep track of and adjust our application based on the end users' needs. Considering our current progress we are confident the deadline will be met!

Task List

To do

- Replace table view of timeline in pdf with real timeline-like thing
- tune up the projects dashboard page for scalability. (show recent projects, etc shorter rendering.)
- Collapsible task list option in generated pdf report
- checking status updates from week to week for email scheduler (add column to both project page and generated pdf report)
- ~~test docker~~ formatting and generation code to make it robust and always work
- asana access token

Doing

- Kubernetes Cluster containerization and AWS deployment
- Make buttons show loading state when waiting a long time
- Hook up project cover page to database based on customization-option uploads.
- middleware
- Auto creation of all tables

In-Review

- ~~ajkdfoiajkdfoiajkd~~

Done

- image upload frontend
- fix errors in build
- improve API call speed
 - break down into efficient api calls and look into faster algorithms
 - Cache data or make api smart enough to not re-fetch on each re-nav
- Work on caching API calls

Checklist

- Only see "once" frequency emails before it's sent out in the dashboard
- add subject line for the email scheduler. Standardize to weekly evolutio status update
- Ability to add/edit custom email body when scheduling
- New Scheduler Modal
- Make reports look professional and presentable
- Hook up image upload
- Add cover page / header card to project description page
- Dockerize database
- Connect Okta to backend
- Breadcrumbs or Menu
- Figure out Email Scheduler SMTP details with Evolutio AWS services
- implement updated timeline library
- Email Validation: Only let valid emails be entered when scheduling emails
- Fixing PDF Task UI
- Add checkboxes to task list view to indicate task completeness
- Integrate Asana
- Make a customizable PDF
 - Test Recursive time complexity
- implement caching
- Email Scheduler Functionality
- Get Home Page sorting working
- Board View for UI along with switching options

Timeline Overview

| Section | Name | Due On | Completed | Assignee |
|---------|---|------------|-------------|-----------------|
| To do | Replace table view of timeline in pdf with real timeline-like thing | 12/31/1069 | In Progress | maritp@jmu.edu |
| To do | tune up the projects dashboard page for scalability. (show recent projects, etc shorter rendering.) | 12/31/1069 | In Progress | Ammar Elkafrawy |
| To do | Collapsible task list option in generated pdf report | 12/31/1069 | In Progress | Ammar Elkafrawy |



What's left to do?

- Features
 - Feature complete!
- Stretch Goals
 - Creating physical timeline in pdf format.
 - Showing date of status updates.
 - Recent project filtering.
- Other Tasks
 - Deploy application to AWS.
 - Cleaning up code.



Questions?

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