

**INDUSTRIAL INTERNSHIP DIARY**

📅DATE: 15th of May 2023

Day 1: Project Setup and Initial Planning

Task Completed

• Set up the development environment.

• Installed necessary tools and libraries.

• Created a GitHub repository for version control.

• Began outlining the project plan and milestones.

• Initialized the React.js project structure.

📅DATE: 16th of May 2023

Day 2: Initial Requirements Gathering

Task Completed

• Conducted initial meetings with stakeholders to gather requirements.

• Created a list of core features for the web app.

• Defined user roles and permissions.

• Created a basic wireframe for the sign-up page.

📅DATE: 17th of May 2023

Day 3: UI/UX Design for Sign-Up

Task completed

• Started designing the sign-up page UI.

• Refined the wireframe for the sign-up page.

• Designed the layout, color scheme, and user interface elements.

• Created a prototype or mockup for user testing.

• Reviewed and iterated on the design based on feedback.

📅DATE: 18th of May 2023

Day 4: User Registration Functionality

Task completed

• Began implementing the user registration feature.

• Set up user registration routes and controllers in Node.js.

• Created the database schema for user accounts.

• Implemented client-side validation for registration forms.

📅DATE: 19th of May 2023

Day 5: User Registration and Validation

Task completed

• Continued working on user registration functionality.

• Implemented server-side validation for registration inputs.

• Added password hashing for security.

• Created success and error messages for registration.

📅DATE: 20th of May 2023

Day 6: Login Page Design

Task completed

• Started designing the login page UI.

• Decided on the layout and components for the login form.

• Ensured the design was responsive for various screen sizes.

📅DATE: 21st of May 2023

Day 7: User Registration and Validation

Task Completed

• Finalized the user registration feature, fixing any bugs.

• Tested the registration process with sample data.

• Set up email confirmation (if required) for user accounts.

• Began working on the password reset functionality.

📅DATE: 22nd of May 2023

Day 8: Password Reset Functionality

Task Completed

• Continued developing the password reset feature.

• Allowed users to request password resets.

• Generated and sent password reset emails with unique tokens.

• Created password reset forms and routes.

📅DATE: 23rd of May 2023

Day 9: User Login Functionality

Task Completed

• Implemented the login functionality in the backend.

• Configured user sessions and authentication middleware.

• Handled authentication errors gracefully.

• Began designing the email template management UI.

📅DATE: 24th of May 2023

Day 10: Role-Based Authorization

Task Completed

• Defined roles (admin and user) and permissions.

• Implemented role-based authorization for routes and actions.

• Tested user login with different roles.

• Started working on CRUD operations for email templates.

📅DATE: 25th of May 2023

Day 11: Email Template Management UI

Task Completed

• Finalized the design for creating and modifying email templates.

• Created wireframes or mockups for the template management pages.

• Ensured the design was user-friendly and intuitive.

📅DATE: 26th of May 2023

Day 12: CRUD for Email Templates

Task Completed

• Implemented the Create operation for email templates.

• Set up API routes and controllers for template creation.

• Implemented validation for template data.

• Tested the template creation process.

📅DATE: 27th of May 2023

Day 13: CRUD for Email Templates

Task Completed

• Continued working on CRUD operations for email templates.

• Implemented the Read operation to display existing templates.

• Created an interface for users to view and select templates.

• Started designing the UI for sending emails and generating reports.

📅DATE: 28th of May 2023

Day 14: Email Sending UI

Task Completed

• Began designing the UI for composing and sending emails.

• Created a layout for adding recipients, subject, and content.

• Ensured that email templates could be selected for sending.

📅DATE: 29th of May 2023

Day 15: CRUD for Email Templates

Task Completed

• Implemented the Up📅Date operation for email templates.

• Allowed users to modify existing templates.

• Ensured that changes were saved and up📅Dated in the database.

• Tested template modification and saving.

📅DATE: 30th of May 2023

Day 16: Email Sending Functionality

Task Completed

• Started developing the backend logic for sending emails.

• Set up email service integration (e.g., Nodemailer) for sending emails.

• Implemented error handling for email sending.

• Tested sending emails with sample data.

📅DATE: 31st of May 2023

Day 17: Reporting UI

Task Completed

• Began designing the UI for generating reports.

• Decided on report parameters, such as 📅Date range and criteria.

• Created a layout for displaying report results.

📅DATE: 1st of June 2023

Day 18: Email Sending and Error Handling

Task Completed

• Continued refining the email sending functionality.

• Handled email delivery errors and retries.

• Implemented logging for sent emails.

• Started generating basic reports based on 📅Dates.

📅DATE: 2nd of June 2023

Day 19: Email Tracking

Task Completed

• Developed the email tracking feature.

• Implemented mechanisms to track when emails were opened.

• Gathered data on email interactions and recipients' behavior.

• Ensured the security and privacy of tracking data.

📅DATE: 3rd of June 2023

Day 20: Audit Logs

Task Completed

• Started creating audit logs for user actions.

• Recorded actions like email sending, template modifications, and logins.

• Designed a UI for admin users to access audit logs.

• Ensured the logs were securely stored and easily accessible.

📅DATE: 4th of June 2023

Day 21: Customer List UI

Task Completed

• Began designing the UI for managing customer lists.

• Created a layout for uploading customer lists from Excel sheets.

• Ensured that the design supported efficient data entry.

📅DATE: 5th of June 2023

Day 22: Customer List Integration

Task Completed

• Implemented the backend logic for importing customer lists.

• Created API endpoints for uploading and processing Excel sheets.

• Vali📅Dated and sanitized customer data from uploaded sheets.

• Tested the customer list import feature.

📅DATE: 6th of June 2023

Day 23: Customer List Management

Task Completed

• Continued working on customer list management.

• Implemented list editing, deletion, and viewing features.

• Ensured that customer data was securely stored.

• Created relationships between customer lists and email campaigns.

📅DATE: 7th of June 2023

Day 24: Database Migration Planning

Task Completed

• Planned the migration from MySQL to MongoDB.

• Documented the data structures and relationships in the MySQL database.

• Identified any necessary data transformations or mapping.

📅DATE: 8th of June 2023

Day 25: Database Migration Initial Steps

Task Completed

• Began the initial steps of migrating the database.

• Set up a MongoDB instance for the new database.

• Developed scripts to extract data from MySQL and insert it into MongoDB.

📅DATE: 9th of June 2023

Day 26: Database Migration

Task Completed

• Continued with the database migration process.

• Tested data extraction and insertion scripts.

• Ensured that data integrity was maintained during migration.

📅DATE: 10th of June 2023

Day 27: Database Migration and Testing

Task Completed

• Finalized the database migration from MySQL to MongoDB.

• Vali📅Dated the integrity of the migrated data.

• Up📅Dated the application code to work with MongoDB.

📅DATE: 11th of June 2023

Day 28: Email Tracking Enhancements

Task Completed

• Improved email tracking capabilities.

• Gathered more detailed data on email interactions.

• Enhanced the reporting feature with additional insights.

📅DATE: 12th of June 2023

Day 29: Audit Log Enhancements

Task Completed

• Enhanced the audit log functionality.

• Included more detailed information in the logs.

• Implemented search and filtering options for logs.

📅DATE: 13th of June 2023

Day 30: Deployment Preparation

Task Completed

• Prepared the application for deployment to Vercel.

• Configured environment variables for production.

• Optimized the application for performance.

• Set up error tracking and monitoring tools.

📅DATE: 14th of June 2023

Day 31: Deployment

Task Completed

• Deployed the web application to Vercel or your chosen hosting platform.

• Configured the domain and SSL certificates (if applicable).

• Ensured that the application was accessible and functional in the production environment.

• Set up backups and data recovery mechanisms.

📅DATE: 15th of June 2023

Day 32: User Acceptance Testing

Task Completed

• Conducted user acceptance testing (UAT).

• Involved stakeholders and users to test the application.

• Documented and addressed any issues or feedback from UAT.

📅DATE: 16th of June 2023

Day 33: Performance Testing

Task Completed

• Performed performance testing on the application.

• Identified and resolved any bottlenecks or slow-loading pages.

• Optimized database queries and API endpoints for efficiency.

📅DATE: 17th of June 2023

Day 34: Security Testing

Task Completed

• Conducted security testing, including vulnerability scanning.

• Addressed any security vulnerabilities or weaknesses.

• Ensured that user data was protected and that the application was resistant to common attacks.

📅DATE: 18th of June 2023

Day 35: Final Testing and Bug Fixes

Task Completed

• Conducted a final round of testing, including regression testing.

• Fixed any remaining bugs or issues.

• Ensured that all features were working as expected in the production environment.

📅DATE: 19th of June 2023

Day 36: Documentation

Task Completed

• Documented the entire project, including:

• Setup instructions for developers.

• User guides and documentation for end-users.

• Database schema and data dictionary.

• Code documentation (comments, API documentation).

📅DATE: 20th of June 2023

Day 37: Final Touches

Task Completed

• Performed any last-minute optimizations.

• Conducted a final review of the application.

• Ensured that the application was responsive and functioned well on various devices.

📅DATE: 21st of June 2023

Day 38: User Training and Onboarding

Task Completed

• Prepared training materials for end-users.

• Provided training sessions or resources for clients and users.

• Ensured that users understood how to use the application effectively.

📅DATE: 22nd of June 2023

Day 39: Client Handover

Task Completed

• Handed over the completed web application to the client or stakeholders.

• Provided necessary credentials and access rights.

• Offered ongoing support and maintenance plans.

📅DATE: 23rd of June 2023

Day 40: Project Review and Feedback

Task Completed

• Conducted a project review meeting with the team.

• Gathered feedback on the development process and the final product.

• Identified areas for improvement and lessons learned.

📅DATE: 24th of June 2023

Day 41: Post-Launch Optimization

Task Completed

• Continued monitoring the application's performance.

• Reviewed server logs and identified any issues.

• Implemented performance optimizations based on real-world usage.

📅DATE: 25th of June 2023

Day 42: User Feedback Integration

Task Completed

• Collected user feedback on the deployed application.

• Prioritized and categorized user-reported issues and suggestions.

• Implemented improvements and bug fixes based on user feedback.

📅DATE: 26th of June 2023

Day 43: Continuous Integration/Continuous Deployment (CI/CD) Pipeline

Task Completed

• Implemented a CI/CD pipeline to automate code deployment.

• Set up automated testing and deployment workflows.

• Ensured that code changes were automatically built, tested, and deployed.

📅DATE: 27th of June 2023

Day 44: Final Review and Project Closure

Task Completed

• Conducted a final project review with the team and stakeholders.

• Evaluated the project's success against initial goals and objectives.

📅DATE: 28th of June 2023

Day 45: Final Review and Project Closure

Task Completed

• Documented lessons learned and areas for future improvement.

• Officially closed the project and handed over any remaining tasks or responsibilities.