SYNCORA (Project & TASK MANAGEMENT)

1. Introduction

1.1 Overview

Syncora is a modern, end-to-end project and task management application designed to simulate the way real-world software development teams work. It manages the entire Software Development Life Cycle (SDLC), from requirement gathering to deployment, allowing users to create and track projects just as they are handled in the industry. The platform enables efficient team collaboration, task assignments, project tracking, and real-time updates, making it suitable for both individual and team-based workflows. The frontend is built with React.is, styled using Material UI (MUI) for a consistent look, enhanced with Framer Motion for smooth animations, and integrated with SyncFusion for advanced data visualization like charts, calendars, and Gantt charts. The backend combines Spring Boot for scalable API development in Java and Node.js for flexible microservices. Syncora uses MongoDB for unstructured data and SQL databases for relational data, ensuring a hybrid and scalable data management approach. State management relies on cookies and localStorage for seamless session handling and persistence. AWS S3 Bucket services are integrated for secure file storage, while a built-in mail service sends automated email notifications for task assignments, status changes, and deadline alerts. Built with clean architecture and adhering to SOLID principles, Syncora ensures modular, maintainable, and testable code. It is deployed on AWS EC2 for reliable, scalable hosting, offering industry-aligned features with a strong focus on performance, design, and cloud integration.

1.2 Scope

Project Scope

The scope of the Syncora project encompasses the complete ideation, development, deployment, and ongoing support of a web-based, end-to-end project and task management platform modeled on real-world software development workflows. Intended users include software teams, project managers, and individual contributors.

In-Scope Features

- **Full SDLC Coverage**: From requirement gathering through deployment and tracking project progress. (GitHub)
- **User Authentication & Roles**: Secure sign-up, login, and potential role-based access control (if applicable).
- **Project & Task Management**: Creation, assignment, tracking, categorization of tasks with priorities, deadlines, and dependencies.
- **Collaboration Tools**: Real-time updates, notifications, comments to facilitate team coordination.
- Advanced Data Visualization: Interactive charts, calendars, and Gantt charts via SyncFusion integration. (GitHub)
- Responsive UI & Animations: Built using React.js, styled through Material UI, accentuated with Framer Motion. (GitHub)
- Hybrid Backend Architecture:
 - Spring Boot for scalable, RESTful API development in Java. (GitHub)
 - Node.js ecosystem implementing MongoDB-based microservices for flexible unstructured data handling. (<u>GitHub</u>)
- Dual Database Strategy: SQL for structured relational data; MongoDB for unstructured content. (GitHub)
- State & Session Handling: Client-side session persistence using cookies and localStorage. (GitHub)
- **Secure File Storage**: AWS S3 integration for project assets and document storage. (GitHub)
- **Automated Email Notifications**: Built-in mail service for notifying users on assignments, status updates, and approaching deadlines. (GitHub)
- Design Principles: Adheres to Clean Architecture and SOLID principles, ensuring modularity, scalability, and testability. (<u>GitHub</u>)
- Cloud Deployment: Hosted on AWS EC2 for reliable, scalable, and secure operations. (GitHub)

Out-of-Scope Features

- Mobile-Native and Desktop Clients: Focus is solely on the web-based platform in the current release.
- Third-Party Integrations Beyond Defined Stack: No integrations outside React, MUI, Framer Motion, SyncFusion, AWS, Spring Boot, Node.js, MongoDB, and SQL in this phase.
- Offline Functionality or Desktop Installers: These are not part of the scope for the initial launch.

1.3 Target Audience

Syncora is designed for software teams with clearly defined roles, ensuring that each user type has access to features and tools tailored to their responsibilities. The platform provides three main panels: **Admin**, **Tester**, and **Developer**.

1. Admin Panel

The Admin panel is intended for system administrators who manage the overall platform, user access, and project configurations.

Key capabilities include:

- Creating and managing user accounts with appropriate roles and permissions.
- Overseeing all active projects and task assignments.
- Managing system configurations, integrations, and data security.
- Monitoring platform activity logs and generating usage reports.
- Handling escalated issues and making platform-wide announcements.

2. Tester Panel

The Tester panel is designed for Quality Assurance (QA) professionals responsible for validating product quality throughout the Software Development Life Cycle.

Key capabilities include:

- Accessing and tracking assigned testing tasks.
- Reporting bugs with detailed descriptions, reproduction steps, and severity levels.
- Collaborating with developers to ensure issues are resolved efficiently.
- Retesting resolved bugs and marking them as closed.

Monitoring testing progress through reports and dashboards.

3. Developer Panel

The Developer panel is meant for software engineers responsible for implementing features, fixing bugs, and collaborating with testers and managers.

Key capabilities include:

- Viewing and managing assigned development tasks.
- Updating task status in real-time (e.g., in progress, completed).
- Accessing project requirements, technical documentation, and relevant assets.
- Collaborating with testers to resolve bugs quickly.
- Tracking personal and team progress through dashboards and charts.

Role-Feature Mapping Table

Role	Key Responsibilities	Core Syncora Features
Admin	- Manage user accounts, roles, and permissions Oversee all active projects and monitor task assignments Configure platform settings and integrations Maintain data security and handle escalated issues.	- User Management Module for creating/updating users Role & Permission Control for access management System Logs & Reports for monitoring activity AWS S3 File Management for secure storage Global Notifications for platform announcements.
Tester	 Validate application functionality Execute test cases and log bugs Collaborate with developers for issue resolution Retest fixed issues and close resolved bugs Track testing progress. 	- Bug Tracking System for logging issues Task Board Integration for assigned test cases Commenting & Collaboration Tools for dev—QA communication Reports & Dashboards for testing progress.

Pevelope - Implement assigned features and enhancements.- Fix reported bugs.- Update task statuses in real time.- Collaborate with testers and admins.- Access documentation and assets.

- Task Management Board for viewing & updating tasks.- Real-Time Status Updates for progress tracking.- Document & Asset Access via AWS S3.- Collaboration Tools for communication with QA and admin.- Progress Dashboards for personal and team metrics.

2. Tech Stack

Syncora is built using a modern, scalable, and maintainable technology stack designed to deliver high performance, flexibility, and security.

2.1. Frontend

The frontend of Syncora is designed for a responsive and interactive user experience, combining modern JavaScript frameworks with powerful UI libraries.

- React.js Core JavaScript library for building the user interface and component-based architecture.
- Material UI (MUI) Provides a consistent and professional design system with pre-built, customizable components.
- **Framer Motion** Enables smooth animations and transitions to enhance user experience.
- **SyncFusion** Used for advanced data visualization components such as charts, calendars, and Gantt charts.
- Axios / Fetch API For API communication with backend services.
- **CSS Modules & Theming** For modular, maintainable styling and theme customization.

2.2 Backend

The backend architecture follows a hybrid approach to leverage the strengths of both monolithic and microservice patterns.

• Spring Boot (Java) – For building robust, scalable, and secure REST APIs.

- Node.js (JavaScript) For implementing lightweight microservices and handling unstructured data processing.
- Express.js Framework for Node.js microservices to handle routing and middleware.
- MongoDB NoSQL database for storing unstructured and semi-structured data.
- MySQL / PostgreSQL Relational database for structured data storage.
- **JWT Authentication** For secure, token-based user authentication and authorization.
- AWS S3 Integration For file storage and retrieval.
- Mail Service (SMTP / AWS SES) For automated email notifications.

2.3. Infrastructure

The infrastructure ensures that Syncora is scalable, reliable, and secure in production environments.

- AWS EC2 Cloud hosting for deploying backend services.
- AWS S3 Object storage for documents, images, and project-related files.
- AWS IAM Identity and Access Management for secure service access.
- **Git & GitHub** Version control and collaborative development.

3.Requirements

3.1 Functional Requirements

The following functional requirements define what Syncora must achieve to meet its objectives:

User Management

- Admin Panel:
 - Create, update, and delete user accounts (Admin, Developer, Tester).

- Assign roles and permissions to users.
- Monitor overall system activity and manage system-wide settings.

Project & Task Management

Project Creation & Tracking:

- Create new projects with detailed descriptions, deadlines, and assigned team members.
- Track project progress through Kanban boards, Gantt charts, and calendar views (via SyncFusion).

• Task Management:

- Assign tasks to developers or testers with deadlines and priority levels.
- o Update task statuses (To Do, In Progress, Completed).
- o Add attachments to tasks (stored securely in AWS S3).

Collaboration & Communication

- Real-time updates for task changes, assignments, and project status.
- Built-in email notifications for:
 - New task assignments.
 - o Status changes.
 - Upcoming deadlines.

Testing & Quality Assurance

- Tester role to log bugs/issues with detailed descriptions.
- Assign bugs to developers for resolution.
- Track bug-fix progress and close issues upon verification.

File & Document Management

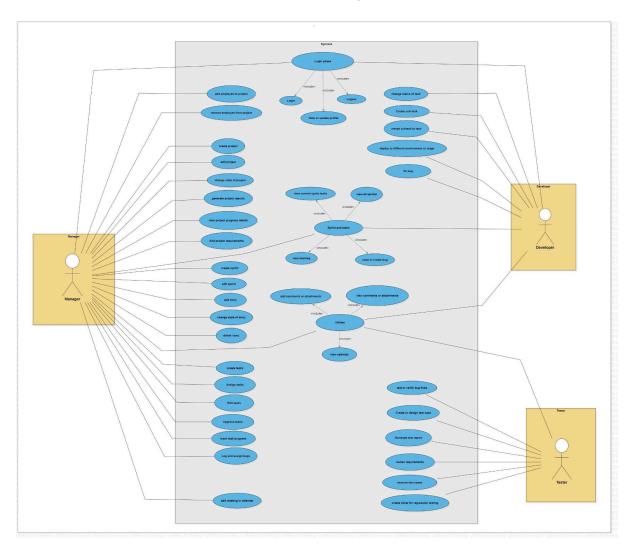
- Upload and manage project-related files securely via AWS S3.
- Access control based on user roles to ensure data confidentiality.

Data Visualization & Reporting

- Interactive charts and graphs for project timelines, workload distribution, and performance tracking.
- Exportable reports for management and auditing.

Security & Access Control

- Role-based authentication and authorization.
- Secure session management using cookies and localStorage.
- Input validation to prevent malicious data entry.



4.Design

4.1.Database Design

Table-1-: Employee Table

Field	Туре	Null	Key	Default	Extra
id created_time_stamp updated_time_stamp date_of_joining email emp_name emp_role password phone_number dept_id managen_id project_id	bigint datetime(6) datetime(6) datetime(6) datetime(6) datetime(6) date varchar(100) varchar(50) enum('ROLE_ADMIN','ROLE_DEVELOPER','ROLE_EMPLOYEE','ROLE_MANAGER','ROLE_TESTER') varchar(100) varchar(15) bigint bigint bigint	NO YES YES NO NO YES NO NO YES NO YES YES YES YES	PRI UNI MUL MUL MUL	NULL NULL NULL NULL NULL NULL NULL NULL	auto_increment

Table-2-: Departments

+ Field	 Type	+ Null	Key	Default	Extra
id created_time_stamp updated_time_stamp dept_name	datetime(6)	YES YES	PRI	NULL NULL NULL NULL	auto_increment

Table-3-: Projects

Field	Туре	Null	+ Key	+ Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
created_time_stamp	datetime(6)	YES		NULL	
updated_time_stamp	datetime(6)	YES		NULL	
actual_end_date	datetime(6)	YES		NULL	
actual_start_date	datetime(6)	YES		NULL	
project_description	varchar(255)	YES		NULL	
end_date	datetime(6)	YES		NULL	
start_date	datetime(6)	YES	ĺ	NULL	i i
project_title	varchar(255)	YES	ĺ	NULL	i i
p code	varchar(255)	YES	į į	NULL	i i
status	enum('CLOSED','COMPLETED','HOLD','INPROGRESS','REOPEN')	NO		NULL	i i
manager_id	bigint	YES	MUL	NULL	i i
+	+	+	+	+	++

Table-4-:Sprints

Field	Туре	Null	Key	Default	Extra
id created_time_stamp updated_time_stamp actual_end_date actual_start_date sprint_description sprint_name sprint_status created_by project id	bigint datetime(6) datetime(6) datetime(6) datetime(6) datetime(6) varchar(100) varchar(30) enum('ACTIVE','BACKLOG','COMPLETED') bigint bigint	NO	+	NULL NULL NULL NULL NULL NULL NULL NULL	auto_increment

Table-5-:Stories

Field	Туре	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
created_time_stamp	datetime(6)	YES		NULL	
updated_time_stamp	datetime(6)	YES		NULL	
actual_end_date	datetime(6)	YES		NULL	
actual_start_date	datetime(6)	YES		NULL	
story_description	varchar(255)	YES		NULL	
end_date	datetime(6)	YES		NULL	
start_date	datetime(6)	YES		NULL	
story_title	varchar(255)	YES		NULL	
story_status	<pre>enum('BACKLOG','DEPLOYMENT','INPROGRESS','TESTING','TODO')</pre>	YES		NULL	
created_by_id	bigint	YES	MUL	NULL	
current_sprint_id	bigint	YES	MUL	NULL	
project_id	bigint	NO	MUL	NULL	

Table-6-:Tasks

Field	Type	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto_increment
<pre>created_time_stamp</pre>	datetime(6)	YES		NULL	
updated_time_stamp	datetime(6)	YES		NULL	
actual_end_date	datetime(6)	YES		NULL	
actual_start_date	datetime(6)	YES		NULL	
task_description	varchar(255)	YES		NULL	
end_date	datetime(6)	YES		NULL	
start_date	datetime(6)	YES		NULL	
task_title	varchar(255)	YES		NULL	
debug_count	int	NO		NULL	
debug_flag	bit(1)	NO		NULL	
priority	enum('HIGH','LOW','MEDIUM','VERYHIGH')	YES		NULL	
status	enum('BACKLOG','DEPLOYMENT','INPROGRESS','TESTING','TODO')	YES		NULL	
story_point	int	NO		NULL	
testing_flag	bit(1)	NO		NULL	
assigned_by_id	bigint	YES	MUL	NULL	
assigned_to_id	bigint	YES	MUL	NULL	
created_by_id	bigint	YES	MUL	NULL	
project_id	bigint	YES	MUL	NULL	
sprint_id	bigint	YES	MUL	NULL	
story_id	bigint	YES	MUL	NULL	

Table-7-:Bugs

Field	Туре	Null	Key	Default	Extra
id	bigint	NO NO	PRI	NULL	auto_increment
created_time_stamp	datetime(6)	YES		NULL	_
updated_time_stamp	datetime(6)	YES		NULL	
actual_end_date	datetime(6)	YES		NULL	
actual_start_date	datetime(6)	YES		NULL	
bug_description	varchar(255)	YES		NULL	
end_date	datetime(6)	YES		NULL	
start_date	datetime(6)	YES		NULL	
bug_title	varchar(255)	YES		NULL	
priority	enum('HIGH','LOW','MEDIUM','VERYHIGH')	YES		NULL	
reopen_count	int	NO		NULL	
status	enum('BACKLOG','DEPLOYMENT','INPROGRESS','TESTING','TODO')	YES		NULL	
story_point	int	NO		NULL	
assigned_to	bigint	YES	MUL	NULL	
project_id	bigint	NO	MUL	NULL	
reported_by	bigint	YES	MUL	NULL	
sprint_id	bigint	YES	MUL	NULL	
story_id	bigint	YES	MUL	NULL	

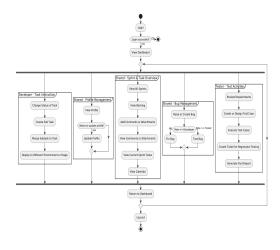
Table-8-:Sprint_Story (Mapping Table)

Table-9-:Sub-tasks

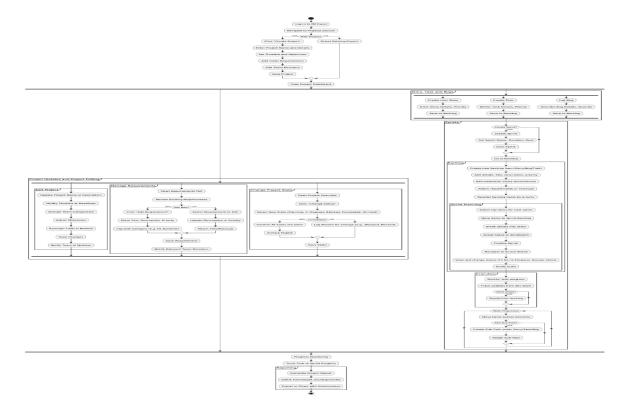
Field	Туре	Null	Key	Default	Extra
id	bigint	NO	PRI	NULL	auto increment
created_time_stamp	datetime(6)	YES		NULL	_
updated_time_stamp	datetime(6)	YES		NULL	İ
description	varchar(255)	YES		NULL	İ
end_date	datetime(6)	YES		NULL	ĺ
start_date	datetime(6)	YES		NULL	İ
status	enum('BACKLOG','DEPLOYMENT','INPROGRESS','TESTING','TODO')	NO		NULL	İ
title	varchar(100)	NO		NULL	
bug_id	bigint	YES	MUL	NULL	
created_by	bigint	YES	MUL	NULL	İ
task_id	bigint	YES	MUL	NULL	

4.2 UML Diagram

Tester & Developer UML-:



Project Manager UML-:



5. Setup & Installation

This section outlines the requirements and steps to set up Syncora locally for development or deployment.

5.1. Prerequisites

Before installing Syncora, ensure you have the following software installed on your system:

- Node.js (v16 or higher) <u>Download here</u>
- **npm** (comes with Node.js) or **yarn** Package manager.
- Java JDK (v17 or higher) Required for running Spring Boot backend. <u>Download here</u>
- Maven Build tool for Spring Boot projects. <u>Download here</u>
- MySQL / PostgreSQL Relational database for structured data.
- MongoDB NoSQL database for unstructured data.

- **Git** For version control. <u>Download here</u>
- AWS Account (Optional for local setup) For S3 bucket and deployment.

5.2. Installation Steps

Step 1: Clone the Repository

git clone https://github.com/CodeBits101/Syncora.git

cd Syncora

Step 2: Install Frontend Dependencies

cd frontend

npm install

or

yarn install

Step 3: Install Backend Dependencies

• For Spring Boot API

cd backend-springboot

mvn clean install

• For Node.js Microservices

cd backend-node

npm install

Step 4: Setup Databases

- Create databases in MySQL/PostgreSQL for relational data.
- Start MongoDB service for NoSQL data.

5.3. Configuration

You need to configure environment variables for the application to run properly.

Frontend Configuration (frontend/.env)

```
REACT_APP_API_URL=http://localhost:8080
```

REACT_APP_NODE_SERVICE_URL=http://localhost:5000

Spring Boot Backend Configuration

(backend-springboot/src/main/resources/application.properties)

spring.datasource.url=jdbc:mysql://localhost:3306/syncora

spring.datasource.username=YOUR_DB_USERNAME

spring.datasource.password=YOUR DB PASSWORD

aws.s3.bucket-name=your-bucket-name

aws.access-key=your-access-key

aws.secret-key=your-secret-key

Node.js Backend Configuration (backend-node/.env)

MONGO_URI=mongodb://localhost:27017/syncora

 $APP_PORT = 3000$

• Start Spring Boot Backend

cd backend-springboot

mvn spring-boot:run

• Start Node.js Microservices

cd backend-node

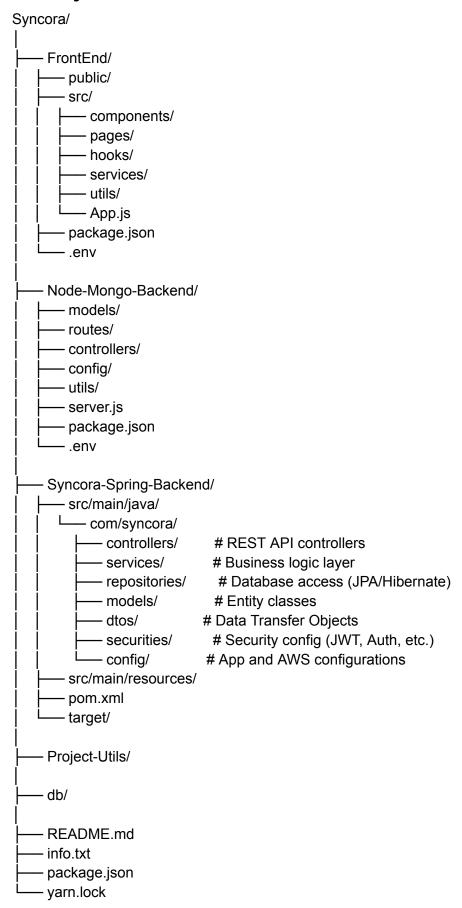
npm run dev

Start Frontend

cd frontend

npm run dev / yarn dev

6. Project Structure



7. Usage Guide

7.1 Running the Application

Frontend (React.js)

Development Mode

cd FrontEnd

yarn install # Install dependencies

yarn start # Start development server

The frontend will run at http://localhost:5173.

Production Build

cd FrontEnd

yarn install

yarn build # Builds the app for production

serve -s build # Serve the production build locally

Node-Mongo Backend (Microservices)

Development Mode

cd Node-Mongo-Backend

npm install # Install dependencies

npm run dev # Start in development mode

Runs by default at http://localhost:3000 (check .env for exact port).

Production Mode

cd Node-Mongo-Backend
npm install

npm start

Spring Boot Backend (Java)

Development Mode

cd Syncora-Spring-Backend mvn spring-boot:run

Runs by default at http://localhost:8080 (configured in application.properties).

Production Mode

cd Syncora-Spring-Backend

mvn clean package

java -jar target/Syncora-0.0.1-SNAPSHOT.jar

7.2 API Endpoints

Below are some sample API endpoints provided by Syncora backends.

Spring Boot Backend APIs

Metho d	Endpoint	Description	Request Body Example	Response Example
POST	/employees/login	User authentication (JWT token)	<pre>"email": "string", "password": "string"</pre>	<pre>{ "token": "jwt_token_he re" }</pre>

```
/projects
                        Create a new
                                                         { "id": 1,
POST
                        project
                                                        "name": "New
                                                        Project", ...
                                                         }
       /projects/{id
                        Get project
GET
                                                         { "id": 1,
                        details by ID
                                                         "name": "New
                                                        Project", ...
                                                         }
                        Update
                                     { "name":
PUT
       /projects/{id
                                                         { "id": 1,
                        project details
                                     "Updated
                                                        "name":
                                                        "Updated
                                     Name".... }
                                                        Name", ... }
                                                        { "message":
DELET /projects/{id
                        Delete a
                        project
                                                        "Project
E
       }
                                                        deleted
                                                        successfully"
                                                         }
```

Node-Mongo Backend APIs

Metho	Endpoint	Description	Request Body	Response Example
d			Example	

```
{{base_url}}/dev/
                          Get All dev
                                                           { "data": "whole
GET
                          data based on
                                                           data like name
                          the lang key
                                                           dob and handles"
        {{base_url}}/about
                          Retrieve
                                                           { "data": "data
GET
                                                           like project
                          Project Data
                                                           features" }
        {{base_url}}/lang
GET
                          Get lang
                                                           { "message":
                          options
                                                           "File deleted" }
```

← Tip:

- Make sure .env files are properly configured before running the application (DB URIs, AWS credentials, JWT secrets, ports).
- If running both backends together, confirm there are no **port conflicts**.

8. Best Practices

8.1 Coding Standards

- Naming Conventions
 - Java (Spring Boot):
 - Classes: PascalCase (e.g., ProjectService)
 - Variables & Methods: camelCase (e.g., projectName, getProjectDetails())
 - Constants: UPPER_CASE_WITH_UNDERSCORES (e.g., MAX_TASKS_LIMIT)

JavaScript/React (Frontend & Node):

- Components: PascalCase (e.g., TaskList)
- Functions & Variables: camelCase (e.g., fetchProjects)
- File names: Match component name (e.g., TaskList.js)

Code Documentation

- Use Javadoc in Spring Boot for service, controller, and DTO classes.
- Use **JSDoc** for Node.js services and utility functions.
- Maintain clear inline comments for complex logic.

• Folder Structure Discipline

- Keep DTOs, Controllers, Services, and Repositories separated in Spring Boot.
- In React, maintain components, pages, hooks, and utils separation.

8.2 Security Measures

Authentication & Authorization

- o Use **JWT tokens** for secure API access.
- Role-based access control (Admin, Developer, Tester) enforced at backend.

• Input Validation

Validate all incoming request bodies using:

• Data Protection

- Store sensitive configuration in .env files (never commit to Git).
- Encrypt passwords using BCrypt before storage.
- Use HTTPS in production.

8.3 Performance Optimization

Backend

- Use pagination for large data sets in project/task listing APIs.
- o Cache frequently accessed data (e.g., using Spring Cache or Redis).
- o Optimize database queries use **indexes** for frequently queried fields.

Frontend

- o Implement lazy loading for components and routes.
- Use **React.memo** and **useCallback** to prevent unnecessary re-renders.

Database

 Separate relational (SQL) and unstructured (MongoDB) workloads appropriately.

• File Storage

• Store only references/URLs in the database, not raw file binaries.

9. Troubleshooting & FAQs

9.1.Trouble Shooting Table -:

Issue	Possible Cause	Solution
Frontend not starting (yarn start fails)	Missing dependencies or incorrect Node.js version	Ensure Node.js ≥ 16.x is installed. Run yarn install again. Delete node_modules and retry if needed.
Spring Boot backend fails to start	Database connection failure	Check application.properties for correct DB credentials. Ensure SQL and MongoDB servers are running.

Node-Mongo backend not serving About/FAQs data	API route not reachable or service down	Verify Node backend is running on the configured port. Check .env for API_BASE_URL.
Customer Support data not appearing	Missing API endpoint or frontend call error	Confirm /api/support route is working in Node backend. Check browser network tab for errors.
FAQs not updating on frontend	Backend data not refreshed or endpoint mismatch	Make sure /api/faqs returns latest data and frontend is pointing to correct backend URL.
CORS errors when calling Node APIs	Cross-origin restrictions in backend	Add frontend origin to CORS whitelist in Node.js backend configuration.

9.2 Common FAQs-:

Q1: What is Syncora used for?

A: Syncora is a project and task management platform designed to manage the full Software Development Life Cycle (SDLC) — from requirements gathering to deployment — enabling seamless collaboration between teams.

Q2: Who can use Syncora?

A: Syncora supports three main user roles:

- -Admin → Manages users, projects, and overall settings.
- -Developer → Works on assigned tasks and updates progress.
- -Tester → Validates tasks, reports bugs, and ensures quality.

Q3: How does Syncora store and manage project files?

A: All files and documents are stored securely in "AWS S3 buckets", ensuring reliability, scalability, and high availability.

Q4: How will I be notified about changes in my projects or tasks?

A: Syncora sends automated email notifications for task assignments, status changes, and approaching deadlines through its built-in mail service.

Q5: Does Syncora provide tools to track project progress visually?

A: Yes. Syncora integrates advanced visualization tools like Gantt charts, calendars, and dashboards using SyncFusion, allowing you to monitor timelines, milestones, and overall progress.

10. References & Resources

Below are key references and resources used in building and maintaining Syncora:

Official Documentation

- React.js → https://react.dev/
- Material UI → https://mui.com/
- Framer Motion → https://www.framer.com/motion/
- SyncFusion Components → https://www.syncfusion.com/
- Spring Boot → https://spring.io/projects/spring-boot
- Node.js → https://nodejs.org/en/docs/

Additional Frontend Libraries & UI Resources

- Formik →
- Tailwind CSS → https://tailwindcss.com/
- React Bootstrap → https://react-bootstrap.netlify.app/

Databases & Storage

MongoDB → https://www.mongodb.com/docs/

- SQL (MySQL) → https://dev.mysql.com/doc/
- AWS S3 Bucket → https://docs.aws.amazon.com/s3/
- Cloudinary (Media Storage) → https://cloudinary.com/

Cloud & Infrastructure

- AWS EC2 → https://docs.aws.amazon.com/ec2/
- Clean Architecture Principles → https://blog.cleancoder.com/
- SOLID Design Principles → https://en.wikipedia.org/wiki/SOLID

Development Tools & Community

- Git → https://git-scm.com/doc
- Postman (API Testing) → https://learning.postman.com/
- VS Code → https://code.visualstudio.com/docs
- Stack Overflow → https://stackoverflow.com/questions

11. Contact & Support

If you have any questions, encounter issues, or wish to request new features, feel free to reach out through the following support channels:

Email Support

General Inquiries & Feedback: C. Bits

Technical Assistance: C. Bits

C Phone Support

General Support: +91 9301667800, +91 7972751012, +91 8788449649, +91 7057645314

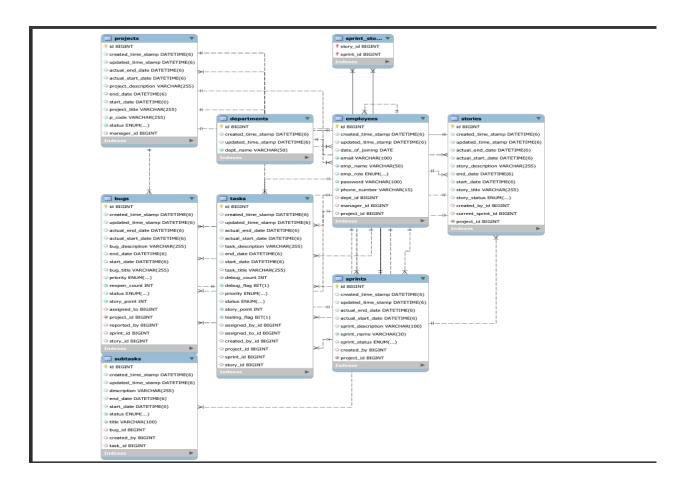
Technical Assistance: +91 9301667800 , +91 7972751012 ,+91 8788449649 ,+91 7057645314

O Support Hours

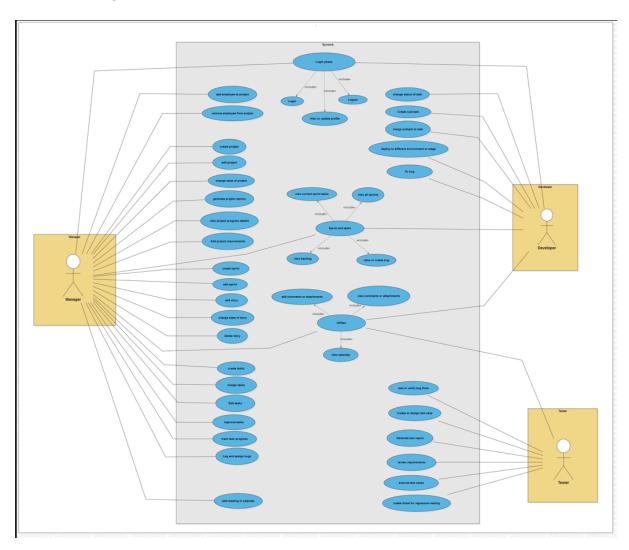
- Monday Friday: 9:00 AM 6:00 PM (GMT)
- Response Time: Within 24–48 hours on business days

12.Appendix A

Class Diagram

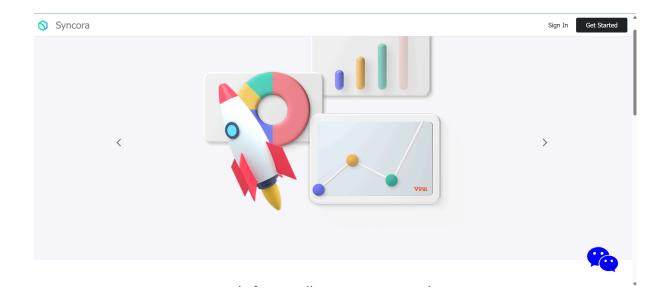


<u>Data-Flow Diagram</u>



13.Appendix B

Home Page-:



Built for Small Teams.Designed to Move Fast.

Syncora is a lightweight, minimal alternative to Jira — made for startups who want clarity, not complexity. Fast to onboard. Simple to use.

Powerful where it matters.

About Developers

Why Choose Syncora?

Everything you need to manage projects without the bloat



2. Globalisation (About Developers Page) -:

👫 हमारी टीम

Hindi ▼

हमारी टीम के सदस्यों से मिलिए

यह कार्य प्रबंधन एप्लिकेशन विशेष रूप से आईटी संगठनों के लिए डिज़ाइन किया गया है, जो उद्योग वर्कप्रलो और सॉफ्टवेयर डेवलपमेंट लाइफ साइकिल (SDLC) के साथ सेरेखित है। AGILE पद्धति पर आधारित यह टीमों को कार्यों का कुशलतापूर्वक प्रबंधन करने, प्रगति को ट्रेक करने और सहजता से सहयोग करने में सक्षम बनाता है। यह एप्लिकेशन कार्य प्रबंधन को सरल बनाता है, अनुकूलता और क्रमिक विकास को बढ़ावा देता है, जिससे यह आईटी परियोजना प्रबंधन के लिए एक आवश्यक उपकरण बन जाता है।



प्रियांशु आनंद 2003-03-25 फल-स्टेक डेवलपर

एक अत्यधिक प्रेरित पेशेवर जो विकासोन्मुख संगठन में अपने कोश्वल का उपयोग करना चाहता है और नवाचार परियोजनाओं में योगदान देना चाहता है। Java और MERN Stack डेवलपर जो Spring...



यश चौहान फुल-स्टेक डेवलपर

में 2023 कंप्यूटर इंजीनियरिंग स्नातक हूं और वर्तमान में CDAC सनबीम में उन्नत कंप्यूटिंग पाठ्यक्रम कर रहा हूं। मेरे तकनीकी कीश्वल में Cs+, Java, Spring Boot, Hibernate, MySQL, React, Git...

2001-07-01



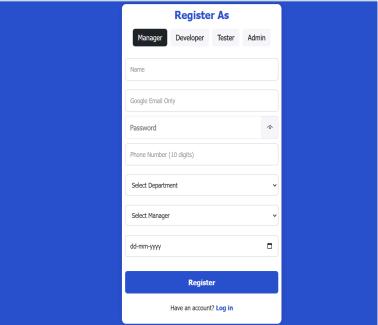
सिद्धेश यावलकर फुल-स्टैक डेवलपर

उसी सिद्धेश हूं, एक उत्साही फुल-स्टेक डेवलपर जो आधुनिक टीमों के लिए हल्के, तेज़ और कार्यात्मक समाधान तैयार करता हूं। बैकऍड लॉजिक से लेकर साफ-सुधरे UI तक, मुझे साफ कोड...

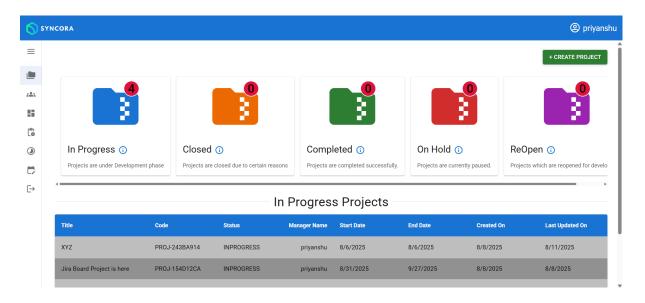
2001-09-12

3.Register and Login Page

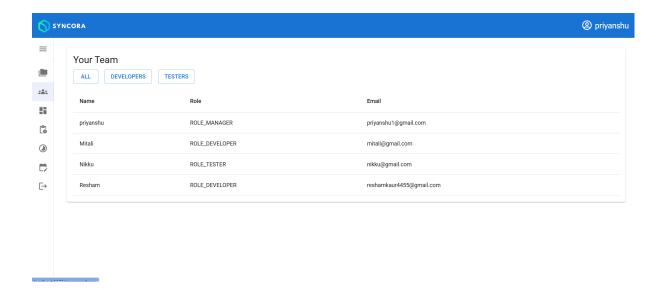




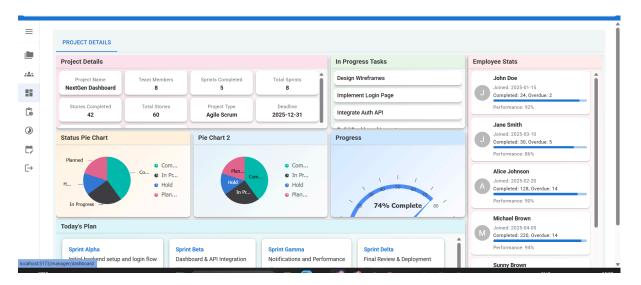
4.Manager Home Screen -:



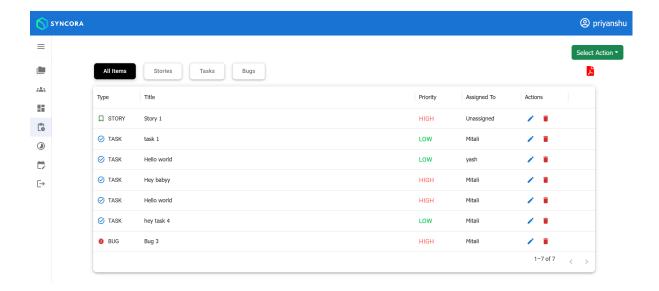
5.Manager Team Page -:



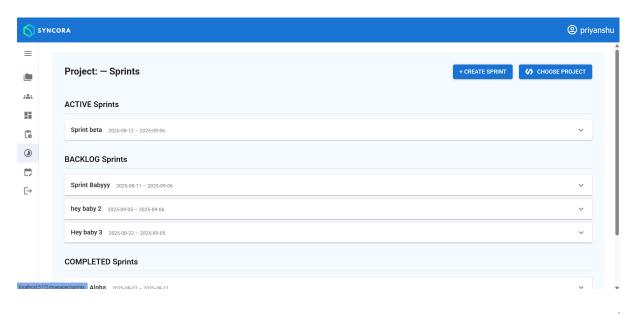
6.DashBoard for particular Project -:

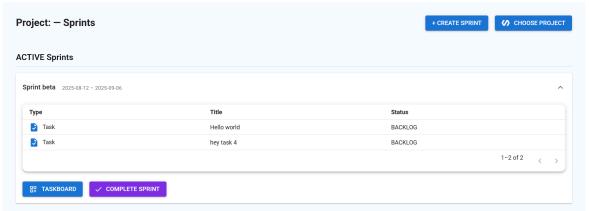


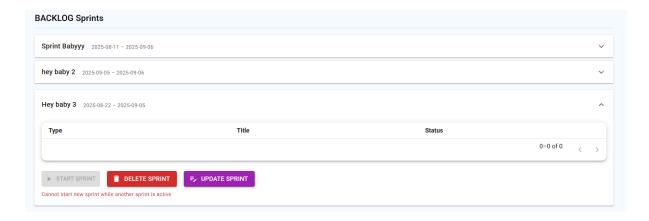
7.BackLog Page -:



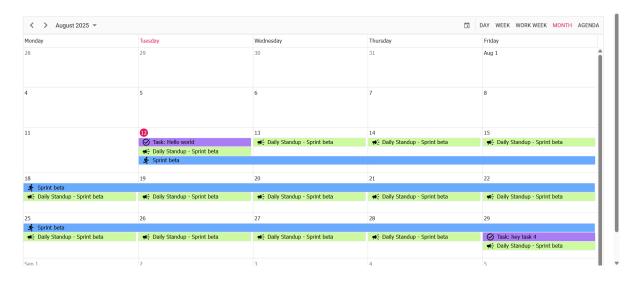
8.Sprints Page-:



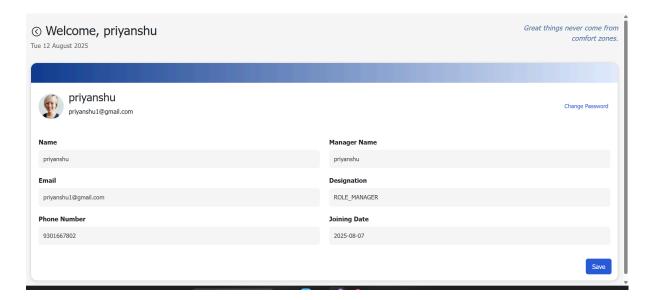




9.Calendar Page-:



10.Profile Page-:



11. Project-Status Wise Details -:

XYZ PROJ-243BA914 Manager Name: priyanshu View Task View Project Details







