

Team Details and Problem Statement

Problem Statement:

Building a Modern Version of SocialCalc using Node.js, Go, or Django can use AI tools like copilot.

Team Name: Bitwise Innovators

Team Leader: Nitin Goyal



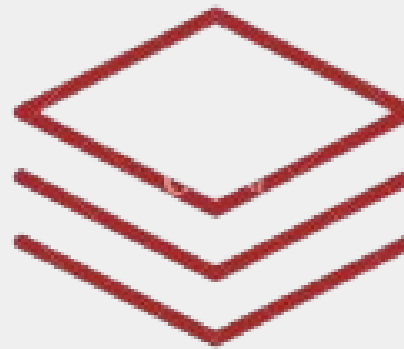
Idea Details

- We have created a web based spreadsheet system, allowing users to create, manage and access their data.
- Our approach involves creating a Web Based solution for users to work with spreadsheets collaboratively.
- Our simple user friendly design allows the user to perform tasks at ease.
- Allows multiples users to simultaneously work together on a single project.
- Allows users to share and revoke access of their sheets with other people.

02

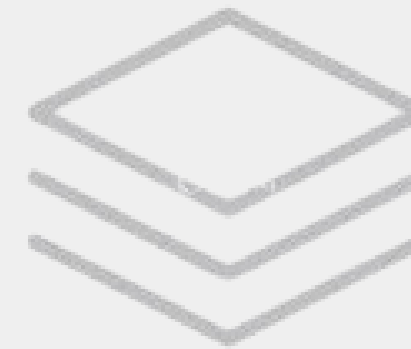
Architecture Diagram

Bronze



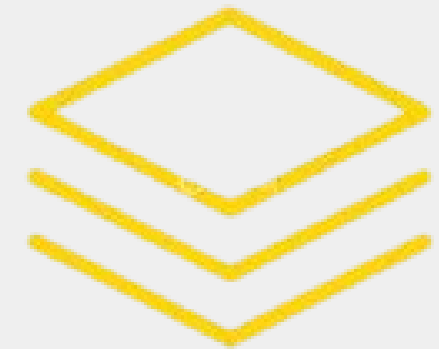
Developed
Spreadsheet UI
and Structure

Silver



Implemented
Single user
Access

Gold



Collaborative
Simultaneous
user access

Tech Stack Used

Frontend - Next.js

Backend - Node.js

UI library - Tailwind CSS, ShadCN UI

Database - Firebase

Emails - resend

GitHub Repository :

[SheetsX Repository](#)

Website URL:

[SheetsX](#)

Use cases

Project Management:

Teams can collaborate on project plans, task lists, and timelines. Real-time updates ensure that everyone is on the same page, reducing the risk of miscommunication and duplicated efforts.

Financial Analysis:

Finance teams can work together to create and manage budgets, track expenses, and analyze financial data in real-time, ensuring accuracy and consistency across the team.

Data Analysis and Reporting:

Teams can gather and consolidate data from various sources in a single spreadsheet, facilitating analysis and reporting. Users can create and share reports, perform joint analysis, and visualize data through charts and graphs, ensuring that reports are accurate and up-to-date.

Sales and CRM

Sales teams can track leads, update statuses, and collaborate on strategies in real-time, improving coordination and follow-up efforts.

Human Resources:

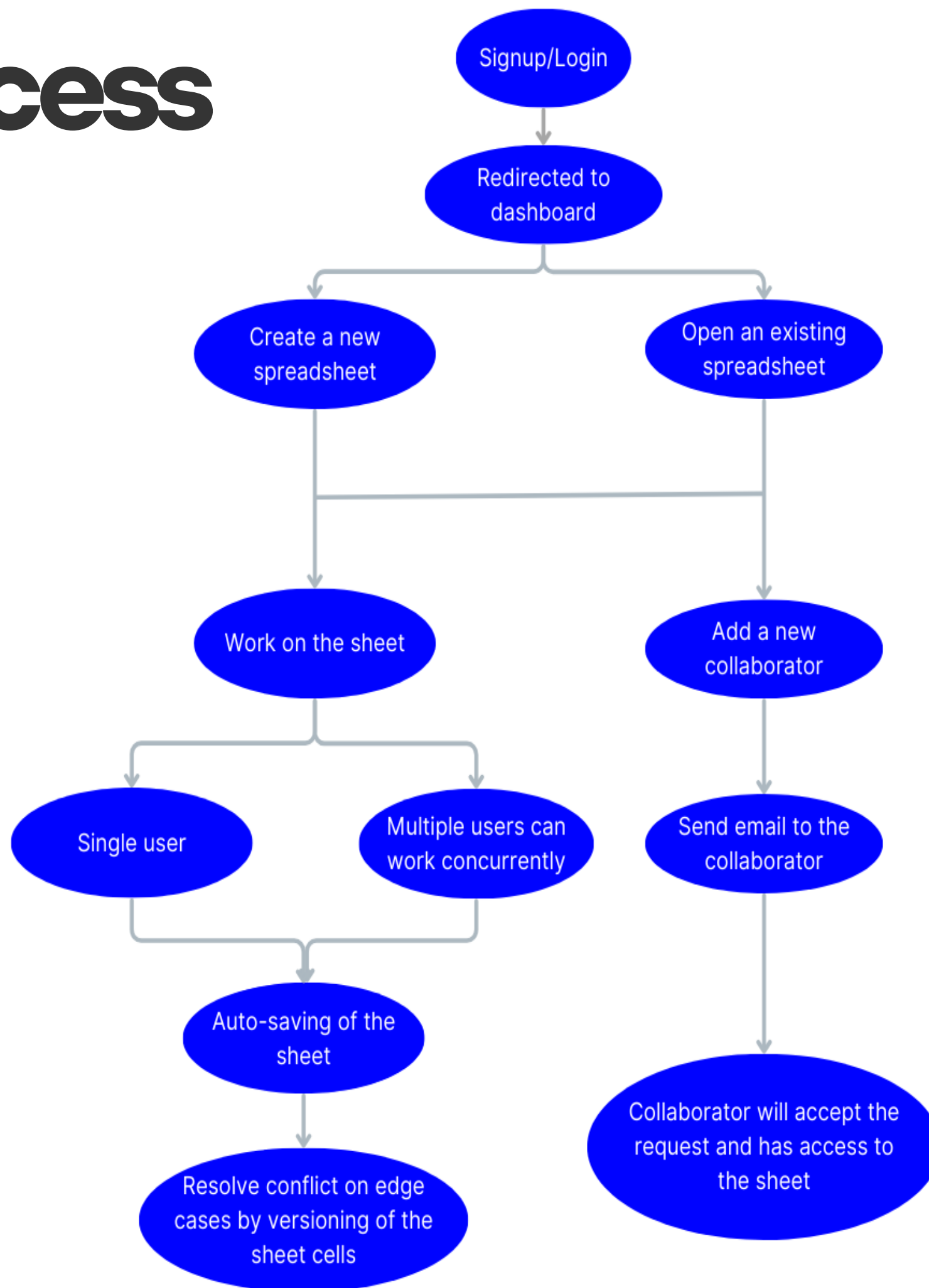
HR teams can manage job applications, track candidate statuses, and coordinate interviews with hiring managers in real-time.

Inventory Management

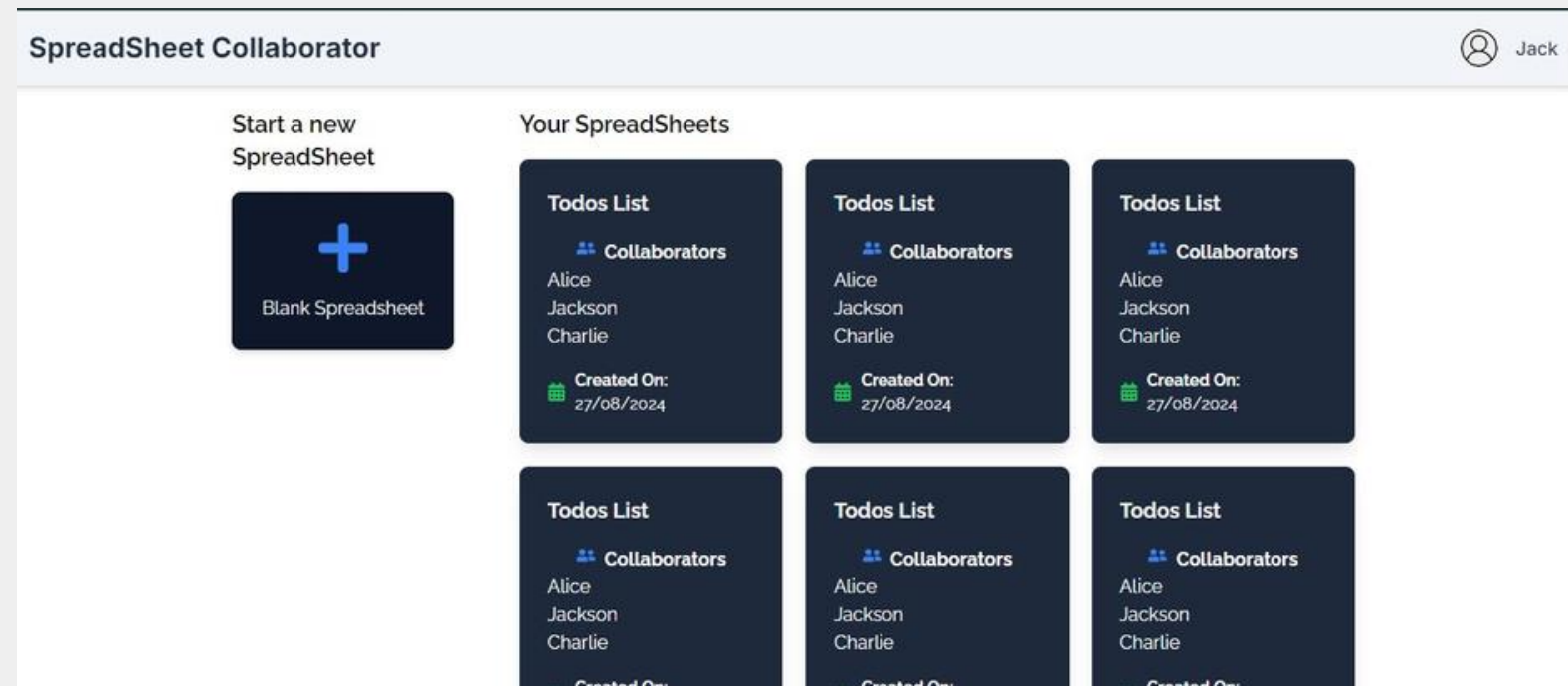
Teams can collaboratively track inventory levels, manage stock orders, and update records, ensuring accurate and timely information.

03

Thought Process



05



Easy to use
UI

SpreadSheet Collaborator											
	Month	Income	Fixed Expenses	Variable Expense	Savings	F	G	H	I	J	
1	January	3000	1200	800	1000						
2	February	2000	1000	500	500						
3	March	3500	2000	400	1100						
4											
5											
6											
7											
8											
9											

Simultaneous multi user
access

User	
user_id	string
email_id	string
sheets	string[]
created_at	timestamp

Efficient DB
management

Sheet	
sheetID	string
sheetTitle	string
sheetBody	text
collaborators	User[]
created_at	timestamp
updated_at	timestamp

USP

06

Final reflections and future steps

Third-Party Integrations:

Expand integration with other software tools and services, such as CRM systems, project management tools, and data sources to streamline workflows.

Mobile and Offline Capabilities

Enhance the mobile experience to ensure full functionality and usability on smartphones and tablets, develop offline capabilities so users can work on their spreadsheets without an internet connection and sync changes once reconnected

Improved Performance and Scalability

Continuously improve system performance to handle larger datasets and more simultaneous users without degradation in speed, providing consistent performance across different usage scenarios.

Customization and Personalization

Allow users to create custom templates, themes, and layouts to better fit their workflows and preferences., implement features that provide personalized recommendations based on user behavior and usage patterns.

01

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Thank You