Deliverable 2

GreenOps

Smart Building

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1. Project Description

Smart Building app is an integrated cloud based residential and commercial property management software system. It uses IoT sensors, raised floors and building automation to control everything: heating, air-conditioning, lighting, shading, and security. Our software is designed aiming to increase building efficiency and reduce operating expenses by saving time and money.

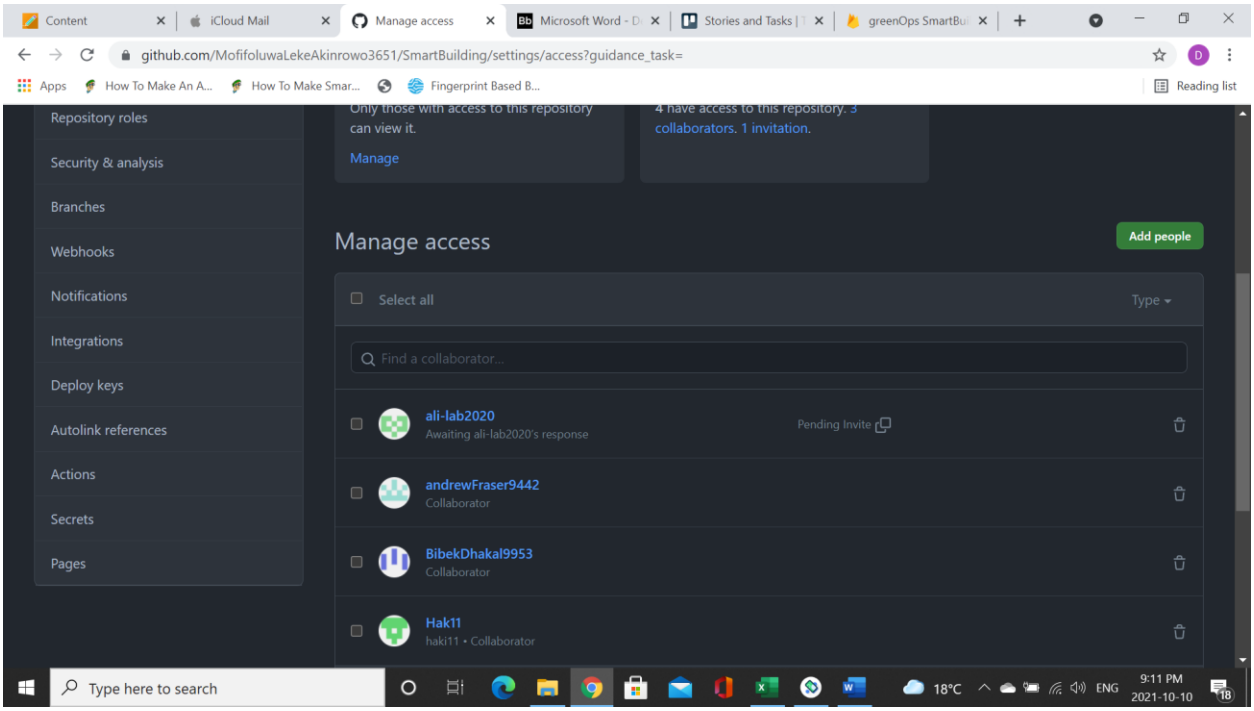
2. Members Info and Participation

Name	ID	Signature	Effort
Mofifoluwa Leke-Akinrowo	N01343651		80%
Bibek Dhakal	N01419953		50%
Andrew Fraser	N01309442		60%

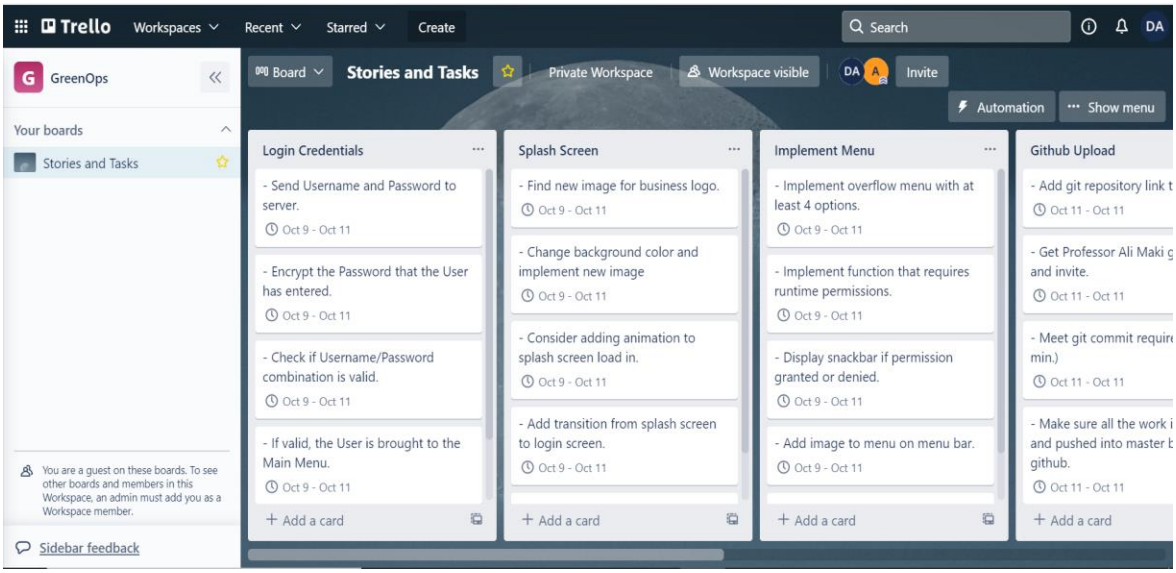
3. Git Link

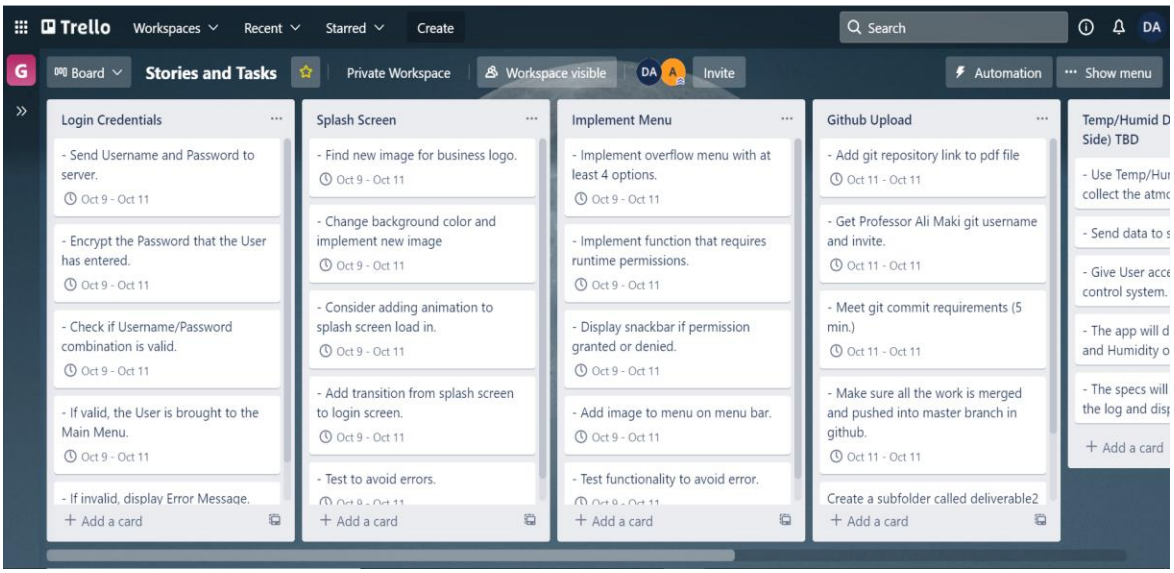
https://github.com/MofifoluwaLekeAkinrowo3651/SmartBuilding

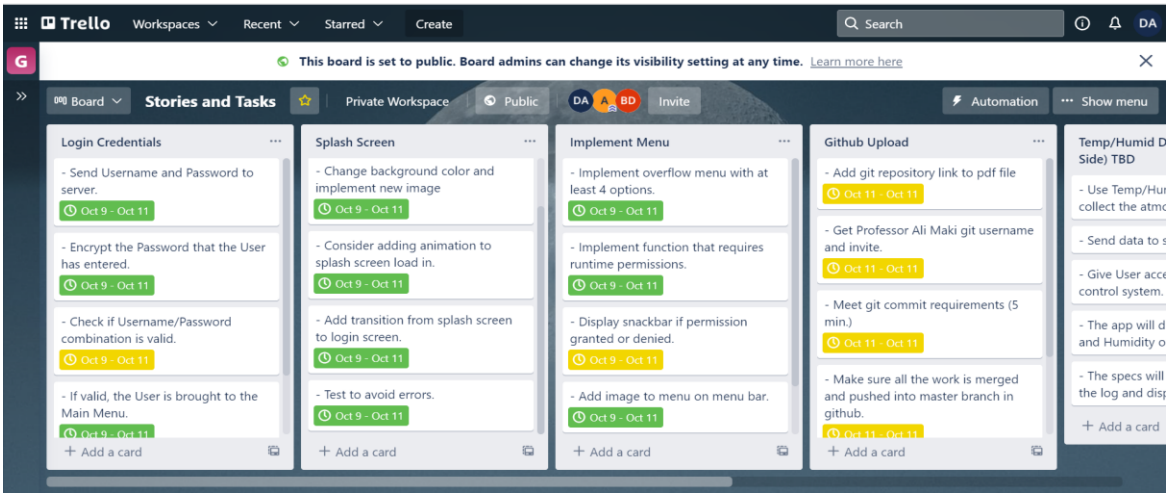
GitHub Invitation



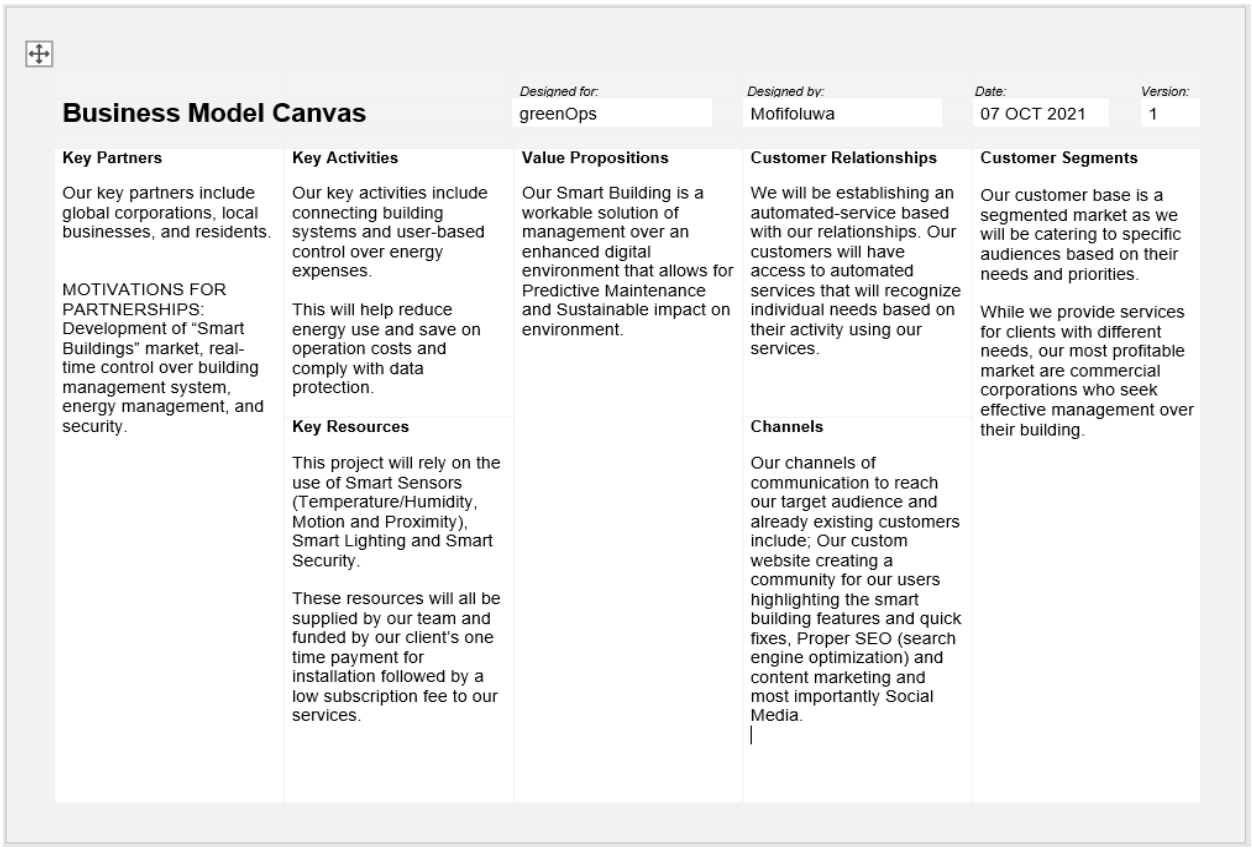
4. Stories and Tasks







5. Business Model Canvas



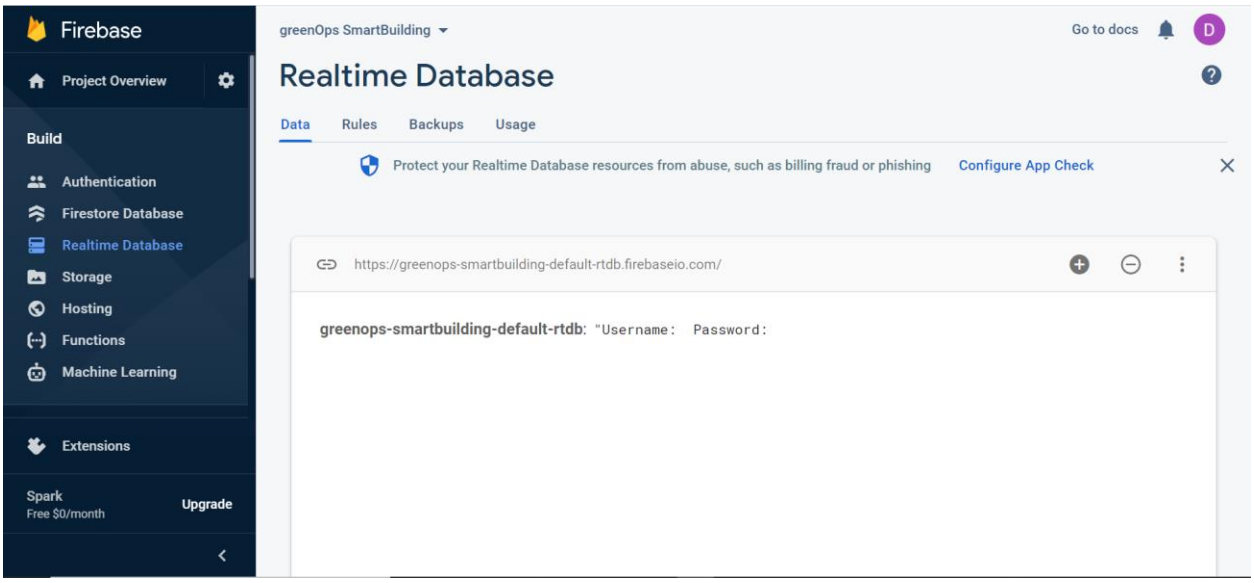
Business Model Canvas

Designed for:	Designed by:	Date:	Version:
greenOps	Mofifoluwa	07 OCT 2021	1

Key Partners	Key Activities	Value Propositions	Customer Relationships	Customer Segments
Our key partners include global corporations, local businesses, and residents. MOTIVATIONS FOR PARTNERSHIPS: Development of "Smart Buildings" market, real-time control over building management system, energy management, and security.	Our key activities include connecting building systems and user-based control over energy expenses. This will help reduce energy use and save on operation costs and comply with data protection. **Key Resources** This project will rely on the use of Smart Sensors (Temperature/Humidity, Motion and Proximity), Smart Lighting and Smart Security. These resources will all be supplied by our team and funded by our client's one time payment for installation followed by a low subscription fee to our services.	Our Smart Building is a workable solution of management over an enhanced digital environment that allows for Predictive Maintenance and Sustainable impact on environment.	We will be establishing an automated-service based with our relationships. Our customers will have access to automated services that will recognize individual needs based on their activity using our services. **Channels** Our channels of communication to reach our target audience and already existing customers include; Our custom website creating a community for our users highlighting the smart building features and quick fixes, Proper SEO (search engine optimization) and content marketing and most importantly Social Media.	Our customer base is a segmented market as we will be catering to specific audiences based on their needs and priorities. While we provide services for clients with different needs, our most profitable market are commercial corporations who seek effective management over their building.

Cost Structure Our project's most important priority and greatest cost is the cybersecurity and protection of our data and that of our users. With increased connectivity of smart devices comes a higher risk of cyber attacks. Our business is value driven as we aim to create an automated solution to make life easier for our clients and set affordable prices that match the value of our services..	**Revenue Streams** We have determined the value of our services with the consideration of what consumers are willing to pay, what it costs us to provide and maintain quality services, consumer research based on needs and necessary data, direct/indirect surveys and the market data of our targeted audience. We will be generating our revenue through a subscription-based system in which the subscription prices vary on the needs and usage of our client.

6. DB on Cloud

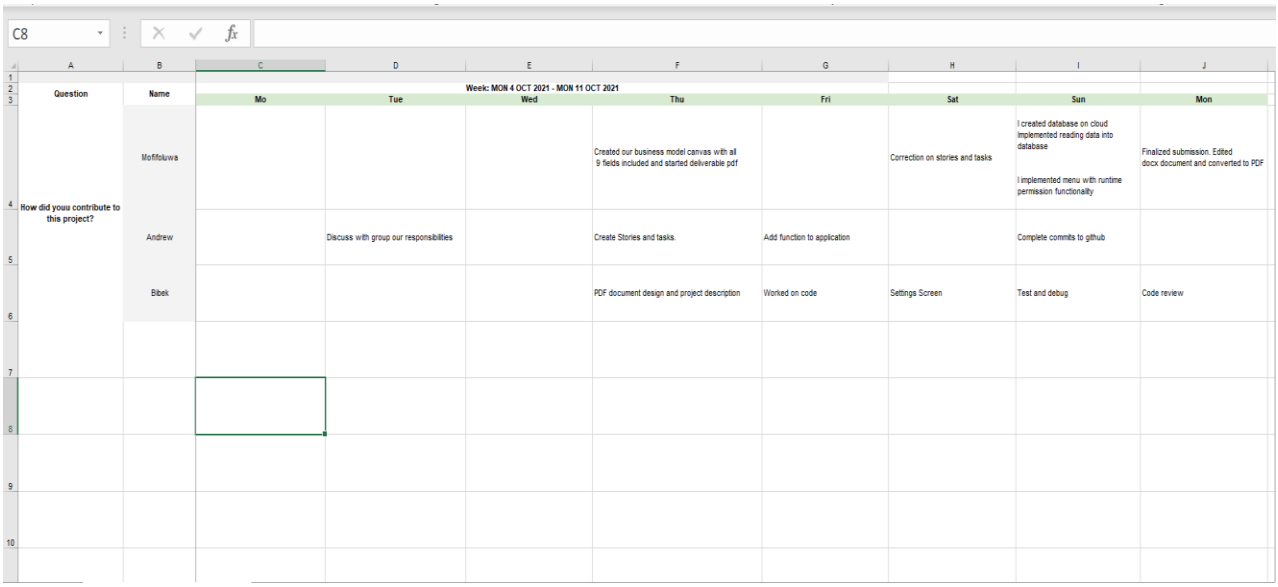


Database receives login details from app.

7. Coding work Progress and Additional Features

App's splash screen and onboard activities have been updated with new animations for better look. Implemented an options menu on Settings Fragment with first option set to "always" with a camera icon. That option requests for permission to access camera. If permission is granted, Toast is displayed and then camera opens. If denied, alert dialog is displayed to let user know that permission is needed. User is given another chance to request permission with additional option to deny and not ask again. Other options on menu have no functionality.

8. Daily Stand-up



Question	Name	Week: MON 4 OCT 2021 - MON 11 OCT 2021							
		Mo	Tue	Wed	Thu	Fri	Sat	Sun	Mon
How did youu contribute to this project?	Mofifoluwa				Created our business model canvas with all 9 fields included and started deliverable pdf		Correction on stories and tasks	I created database on cloud Implemented reading data into database I implemented menu with runtime permission functionality	Finalized submission. Edited docx document and converted to PDF
	Andrew		Discuss with group our responsibilities		Create Stories and tasks.	Add function to application		Complete commits to github	
	Bibek				PDF document design and project description	Worked on code	Settings Screen	Test and debug	Code review