Deliverable 2

SiteSync

SiteSync Site Management

Team Number 13

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Name	Student ID	Github ID	Signature	Effort
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1. Project Scope and goals that are targeted in this course.

   Develop a mobile application integrated with fingerprint hardware that accurately records the login and logout times of construction workers on residential sites.

The system will improve attendance tracking, reduce manual errors, and provide site managers with real-time reporting.

2. GitHub Repo link and strategy. All members must contribute to the repo. Explain the github strategy.

https://github.com/ChristopherGarcia1506/SiteSync

Our github strategy is to have each member develop on their own branch of our project, then merge each of the branches together into the main branch, to help ensure version conflicts are kept to a minimum if multiple members of our team are working on something at the same time.

3. Verify the link is working.

4. Screenshot showing you have invited your hardware prof to the repo (explain to your hardware prof, the process to accept your invitation)\
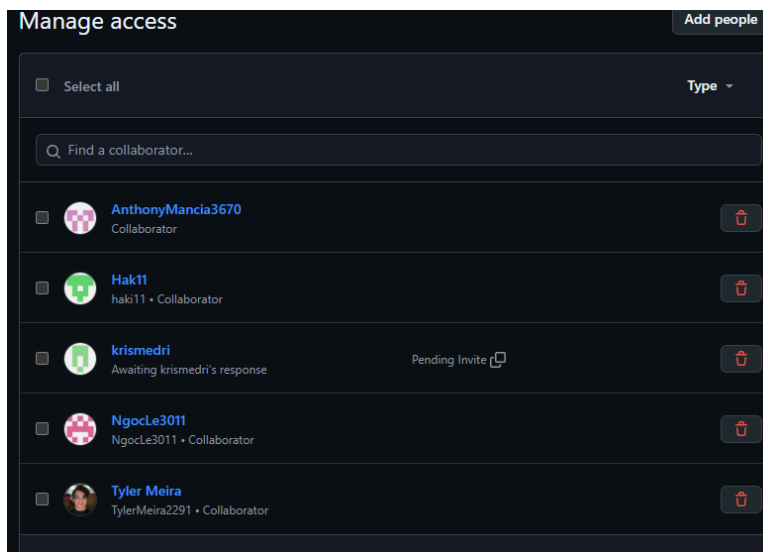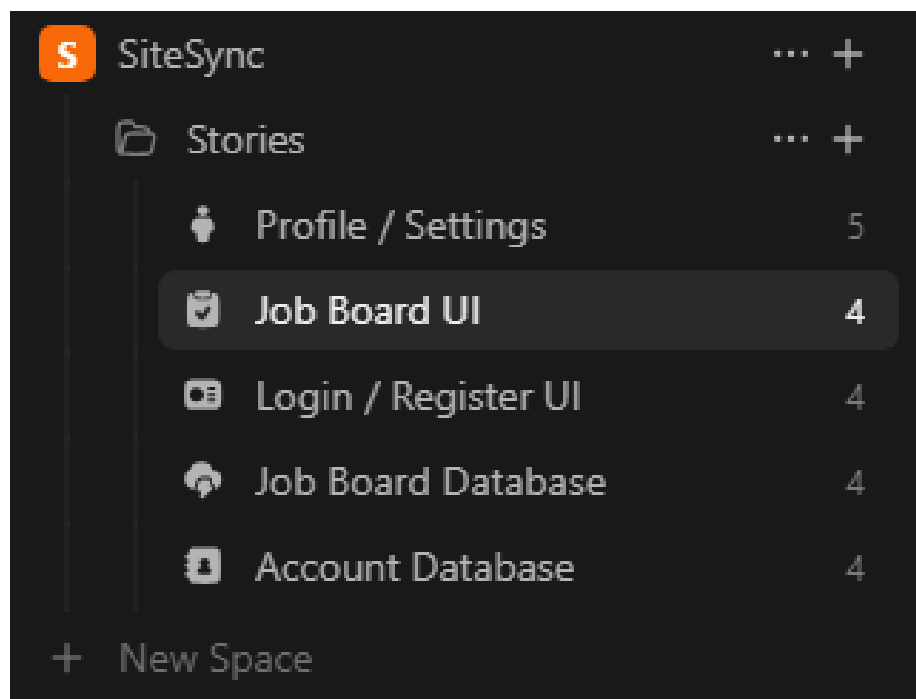

5. Each member must have a minimum of 5 commits.
6. Marks deducted for members who are not meeting the minimum 5 commits (i.e. if only 4 commits, 20% percent deducted, …etc.).
7. Minimum of 5 stories and each story must be split to minimum of 4 tasks. Use one of the online tools to build the stories and tasks, i.e. use Trello

(https://trello.com/en) or Monday (https://monday.com/) or any other appropriate tool

i.e. https://www.notion.com/ https://clickup.com/

9. Take a screenshot showing clearly the stories and breakdown of tasks with owner, status, start/end date, size, and priority.

11. Tasks which are marked done, explain how did you meet the

DoD criteria.

    12. List of items you included in the DoD.
    13. Business Model Canvas, all the 9 fields are clearly shown and

Explained.

Site Sync Buisness Model

Key Partners

- Companys / Employers willing to outsource their work through our app.
- Contractors / workers who trust they will be able to find a reliable source of work through our app.

Key Activites

- Job board for compaies to post their jobs for contractors to accept the request.
- A time mangement systems, to ensure the contractors are present at the job site when they claim to be.

Key Reseources

- DAU (Daily Active Users)
- Employer Retention
- Number Of Employers
- Subscription Model

Value Proposition

- Accurate Time Tracking
- Increased Productivity: Incentivices workers to clock in on time
- Transparency and Accountability: Provides records of attedance
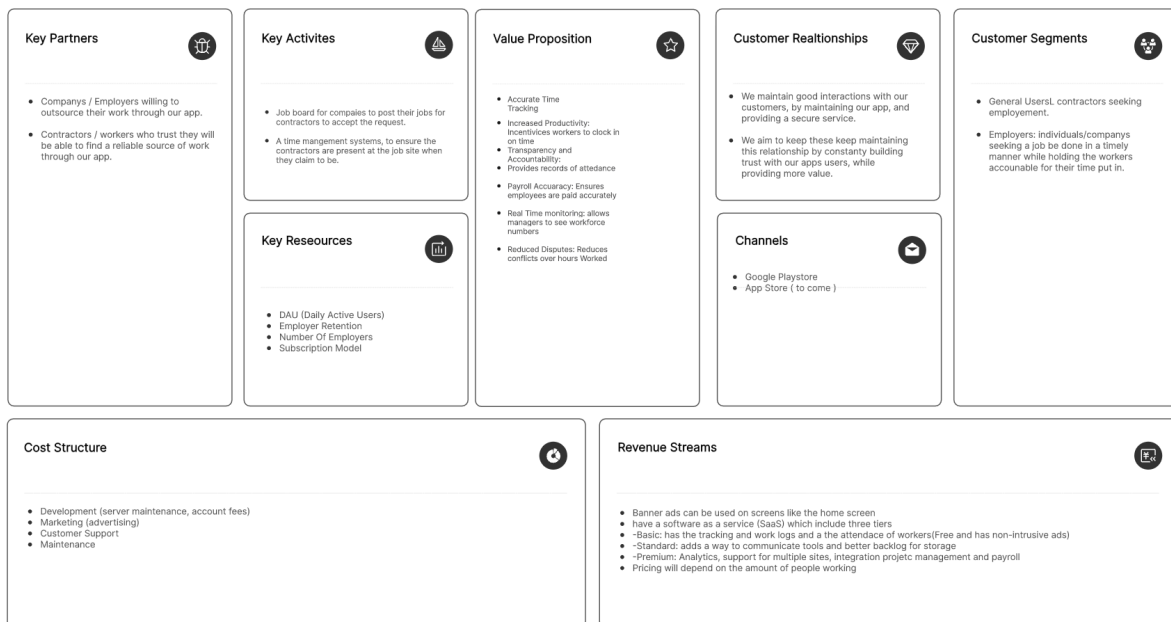- Payroll Accuracy: Ensures employees are paid accurately
- Real Time monitoring: allows managers to see workforce numbers
- Reduced Disputes: Reduces conflicts over hours Worked

Customer Realtionships

- We maintain good interactions with our customers, by maintaining our app, and providing a secure service.
- We aim to keep these keep maintaining this relationship by constanty building trust with our apps users, while providing more value.

Channels

- Google Playstore
- App Store (to come)

Customer Segments

- General UsersL contractors seeking employement.
- Employers: individuals/companys seeking a job be done in a timely manner while holding the workers accounable for their time put in.

Cost Structure

- Development (server maintenance, account fees)
- Marketing (advertising)
- Customer Support
- Maintenance

Revenue Streams

- Banner ads can be used on screens like the home screen
- have a software as a service (SaaS) which include three tiers
- -Basic: has the tracking and work logs and a the attendace of workers(Free and has non-intrusive ads)
- -Standard: adds a way to communicate tools and better backlog for storage
- -Premium: Analytics, support for multiple sites, integration projetc management and payroll
- Pricing will depend on the amount of people working

Type something or '/' for commands

14. Create Gantt chart showing main milestones and work

progress. You can use https://try.airtable.com/gantt2 or any other tool. Do the research and select the proper tool. Excel or word will not be accepted.

15. The Gantt chart must show the work for a minimum of 10

components and the time lines. Focus on main components and not every small task.

16. Gantt chart should show the project from start to end.
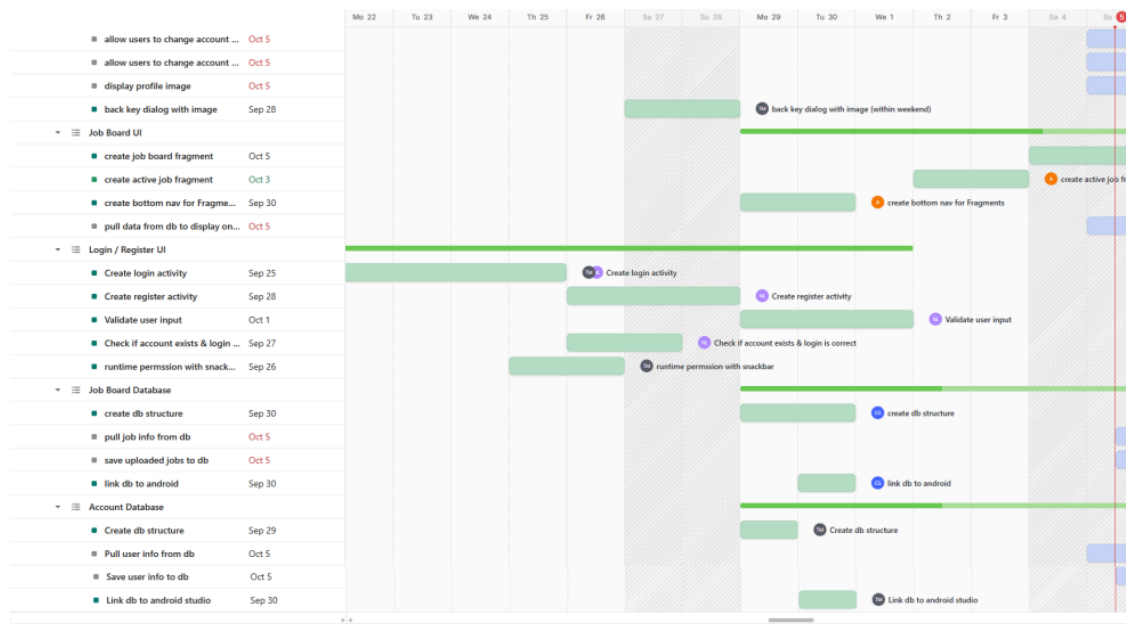17. Refer to Week 5 material, on what questions the Gantt chart

answers, i.e. project timeline, assignee, …etc.

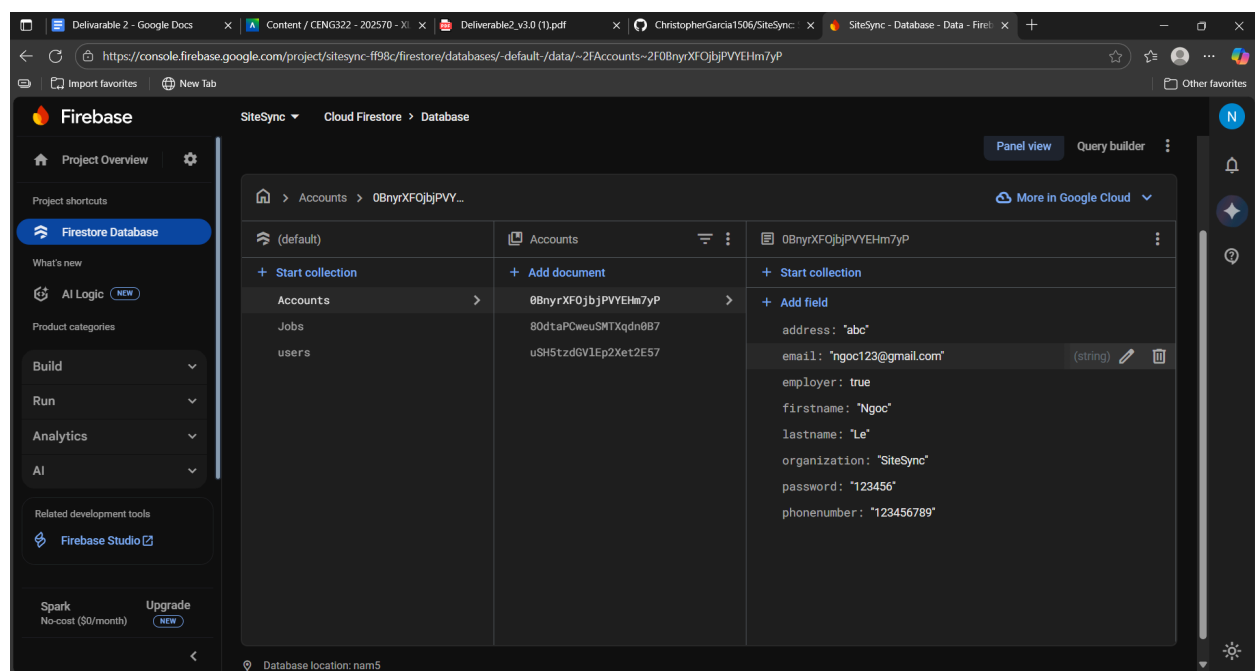18. Gantt chart is different than your Scrum Dashboard, and

does not show the small task's details.

19. Multiple screenshots of the Gantt charts showing the

Details.

20. Screenshot showing you have created the DB on the cloud,

with some details and type of DB used.

21. Explain how you are planning to use the DB.
    - We use firebase to store user login information and jobs.
22. Coding work progress since deliverable 1. What additional

features/functionality added since deliverable 1.

- We added more screens such as Login Screen, Register Screen, Home Screen, Job Screen, and added UI and functionalities for them.

23. A Table records the daily stand-ups outcome, use any tool

you like, include a screenshot into the document. Table, include date and info. Show minimum of 3 meetings.

First meeting	September 23, 2025	We divided the tasks for the deliverable.
Second meeting	September 29, 2025	This meeting is for checking up on progress.
Third meeting	October 5, 2025	We reviewed everything and prepared for the presentation.
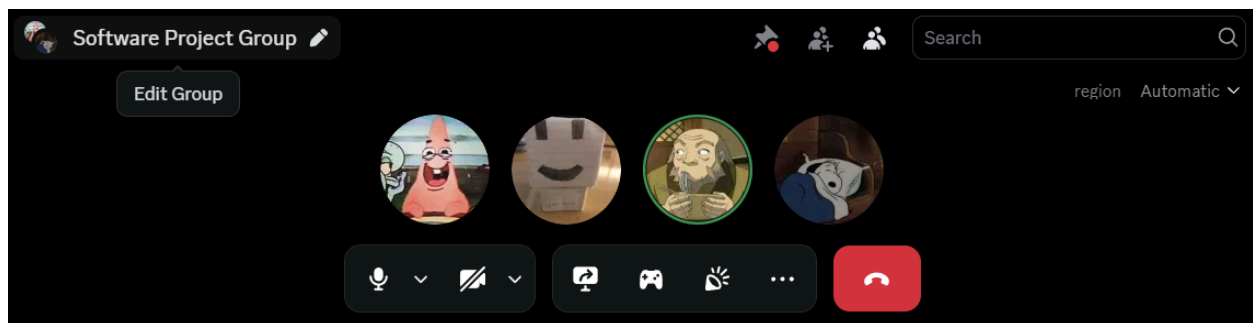
24. Document what design principle you used, copy the code

and comment on it.

Design Principle: Separation of Concerns

Example:

protected void askForPermission() {

```java
        if
(ContextCompat.checkSelfPermission(this,Manifest.permission.POST_NOTIFICATIONS
) != PackageManager.PERMISSION_GRANTED){

            if(Build.VERSION.SDK_INT >= Build.VERSION_CODES.TIRAMISU){

requestPermissionLauncher.launch(Manifest.permission.POST_NOTIFICATIONS);

            }

        }

        else{

            showNotification(getString(R.string.permission_granted),
getString(R.string.dismiss));

        }

    }


    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.login_screen);


        askForPermission();
```

In onCreate, we call the askForPermission() method which is created outside.

25. Create a subfolder called deliverable2 under docs in the

repo and add the pdf file.