SportsHub

Community Sports Facility Management System

Sprint 2

Sprint Review - 14/04/25

-Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal
- Mohammed Gori

-Date and Location

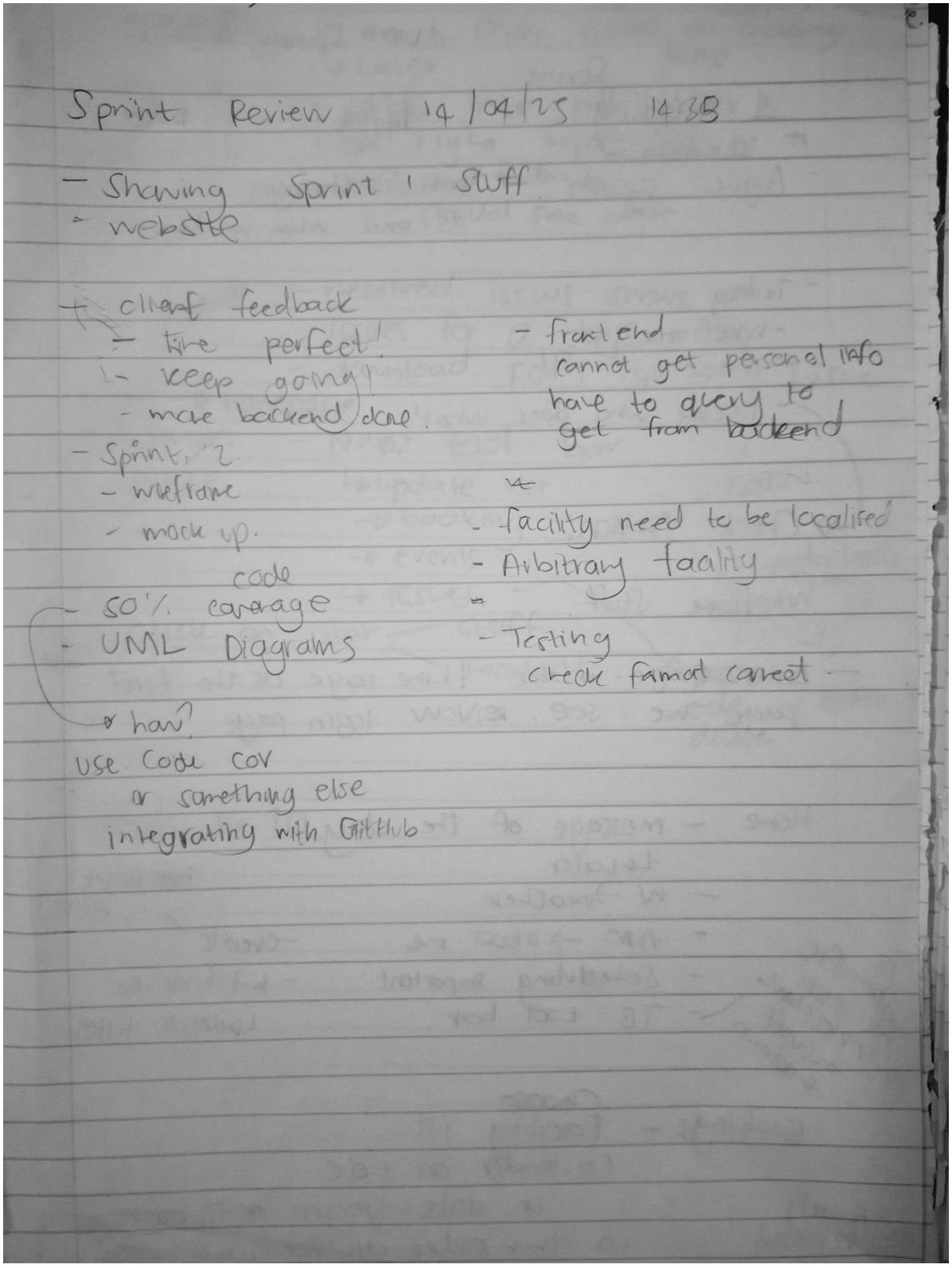
Date: 14 April 2025 at around 14:30

Meeting took place in person in outside MSB with client.

-Brief Description

The team reviewed progress on the website, noting positive client feedback on the front-end development. There's a suggestion to do more of the backend. Sprint 2 focused on wireframes and mock-ups, with 50% code coverage achieved. UML diagrams are in progress. A key challenge identified is the inability to directly access personnel information, requiring queries to the backend. Facility localization is also needed, and there are concerns about arbitrary facility data. Testing includes checking facility coverage, and the team discussed using Codecov or a similar tool. Integration with GitHub is ongoing.

-Proof



Sprint Retrospective - 14/04/25

-Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal
- Mohammed Gori

-Date and Location

Date: 14 April 2025 at around 15:00

Meeting took place in person in inside MSB.

-Brief Description

Setup & Auth (20 pts)

Focus: Project initialization, authentication system, User roles, home page, and site-wide navigation

✅ **What Went Well (Continue):**

- GitHub repo and CI/CD pipeline were set up early and successfully.
- Google OAuth login worked seamlessly with Firebase Auth.
- The team collaborated well on tech stack alignment.
- UI wireframes sped up development for navigation and layout.
- Role-based permissions were effectively mapped to the design

⚠️ **What Didn't Go Well (Stop):**

- Firebase setup caused minor delays due to unclear permissions.
- Time spent debating branching strategy was longer than expected.
- Minor rework was needed after changing page structure mid-sprint.
- Some navigation links were broken during early testing.

💡 **Improvements (Start):**

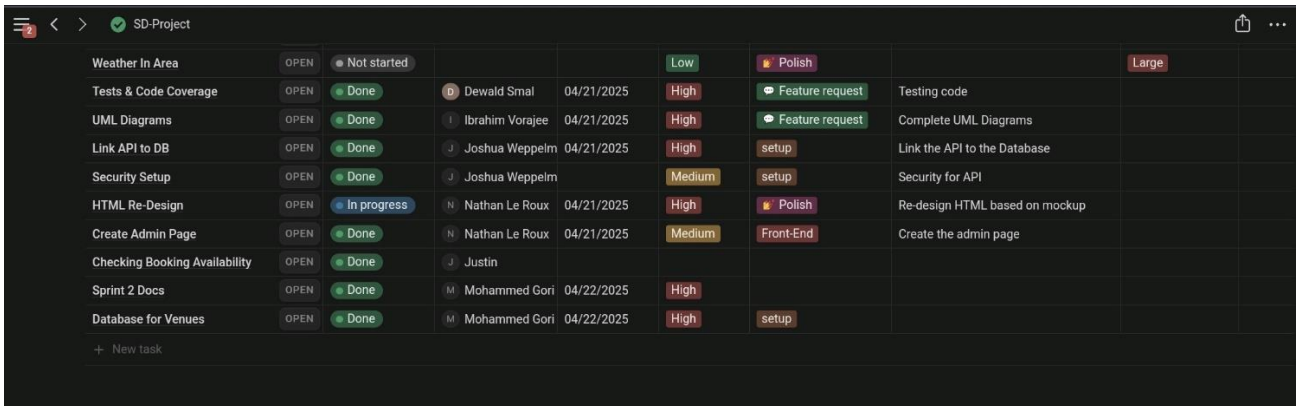
- Set clearer time-boxes for technical decision meetings.
- Create a checklist for environment setup to avoid confusion.
- Conduct midpoint peer reviews for UI routing and link testing.
- Document permission schemas early

Who did what?

- Nathan Le Roux – HTML Re-Design
- Joshua Weppelman – Linked API to Database
- Dewald Smal – Tests & Code Coverage

- Ibrahim Vorajee – UML Diagrams
- Justin Perumal – Checking Booking Availability
- Mohammed Gori – Database for Venues & Compiled all Sprint Documentation

Notion



User Stories

Identifier	User Story
US 1	As a user, I want to report issues with the facilities so that maintenance staff can resolve them promptly.
US 2	As a user (admin), I want to view a list of all users and their roles, so that I can manage access and monitor platform activity.
US 3	As a user (admin), I want to assign roles to users (resident, staff, admin), so that the platform enforces correct access control.
US 4	As a user, I want to access pages relevant to my role from the toolbar, so that I only see what's applicable to me.
US 5	As a user (admin), I want to access all parts of the website, so that I can manage all aspects of the platform.
US 6	As a user (admin), I want to access a document to see updates to issues, so that I can monitor issues.
US 7	As a user, I want to view the weather conditions affecting outdoor facilities so that I can plan my activities accordingly.

User Acceptance Tests (UATs)

US 1 – Report Facility Issues

Given I am a logged-in user
When I navigate to the issues section
Then the issue should be recorded

US 2 – View All Users and Roles

Given I am logged in as an admin
When I navigate to the user management section
Then I should see a list of all users

US 3 – Assign Roles to Users

Given I am logged in as an admin
When I view a user's profile in the user management section
Then the user's role should be updated

US 4 – Access Role-Based Toolbar Navigation

Given I am logged into the system
When I view the toolbar/navigation menu
Then I should only see pages relevant to my assigned role

US 5 – Admin Access to All Pages

Given I am logged in as an admin
When I view the toolbar
Then I should see all navigation options, including those for bookings, user management, issues, and settings

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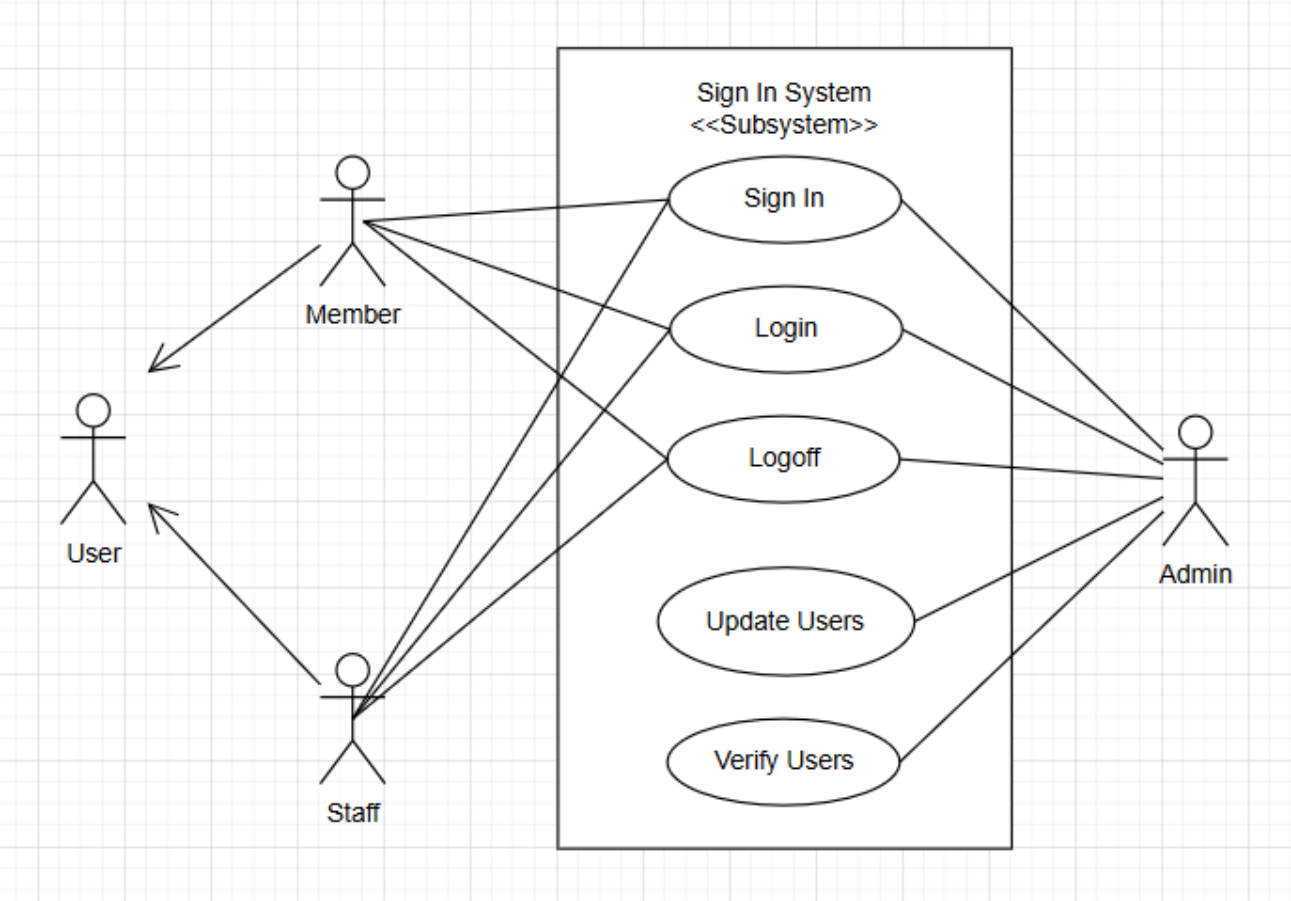
US 6 – Access Document with Issue Updates

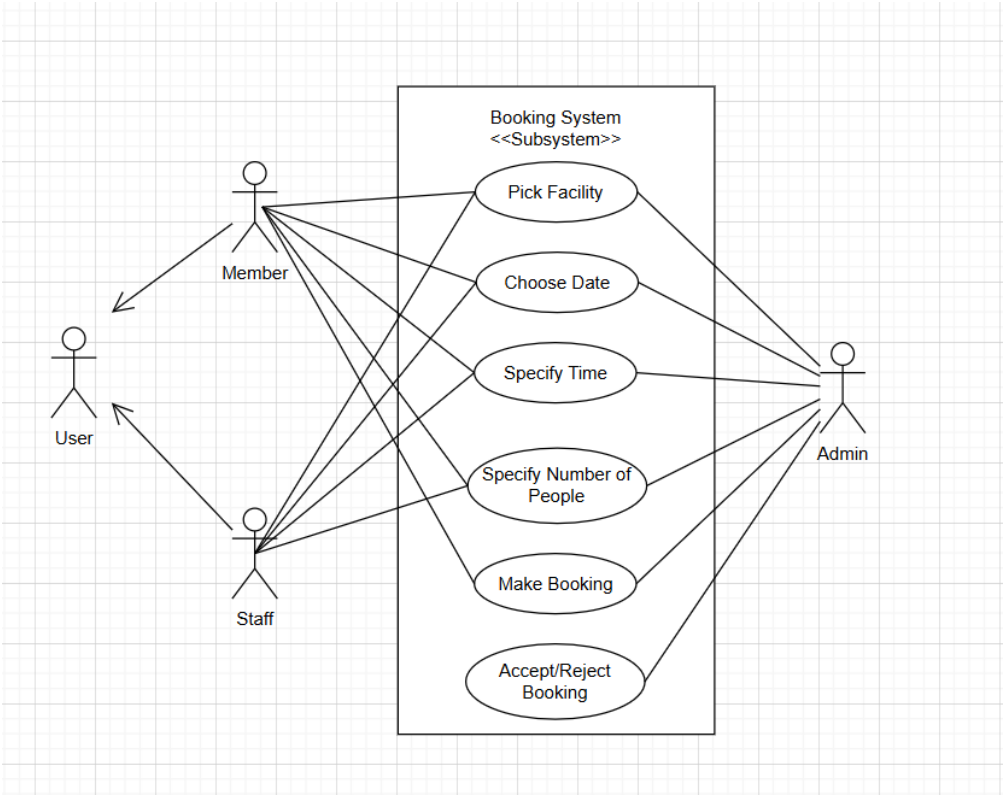
Given I am logged in as an admin
When I navigate to the issue tracking or reports section
Then I should see a list of all reported issues

UML Diagrams

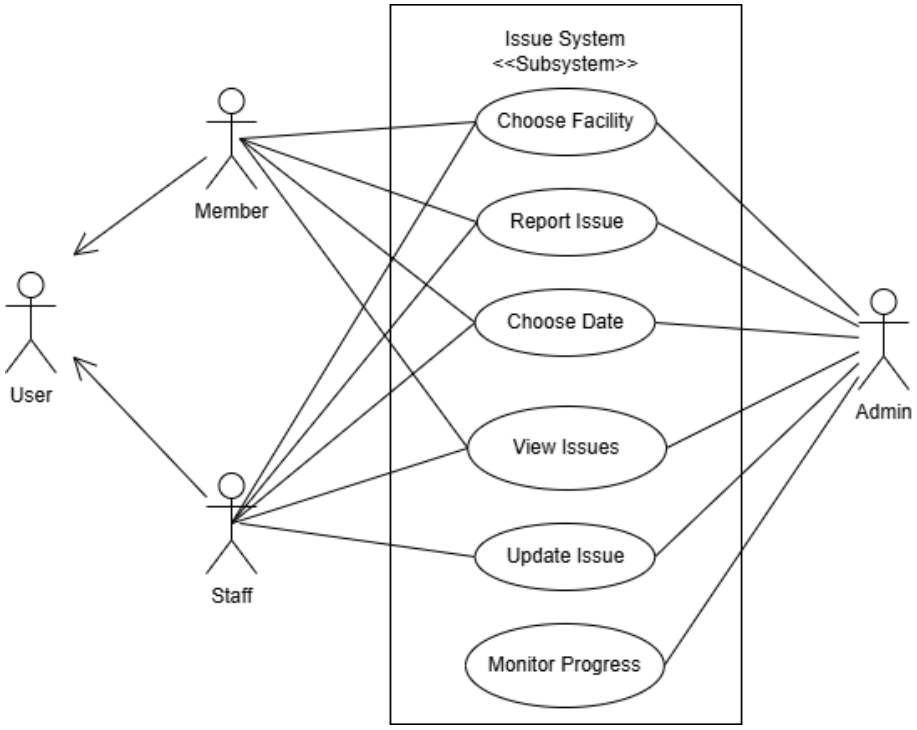
Use Case Diagram (Sign in)



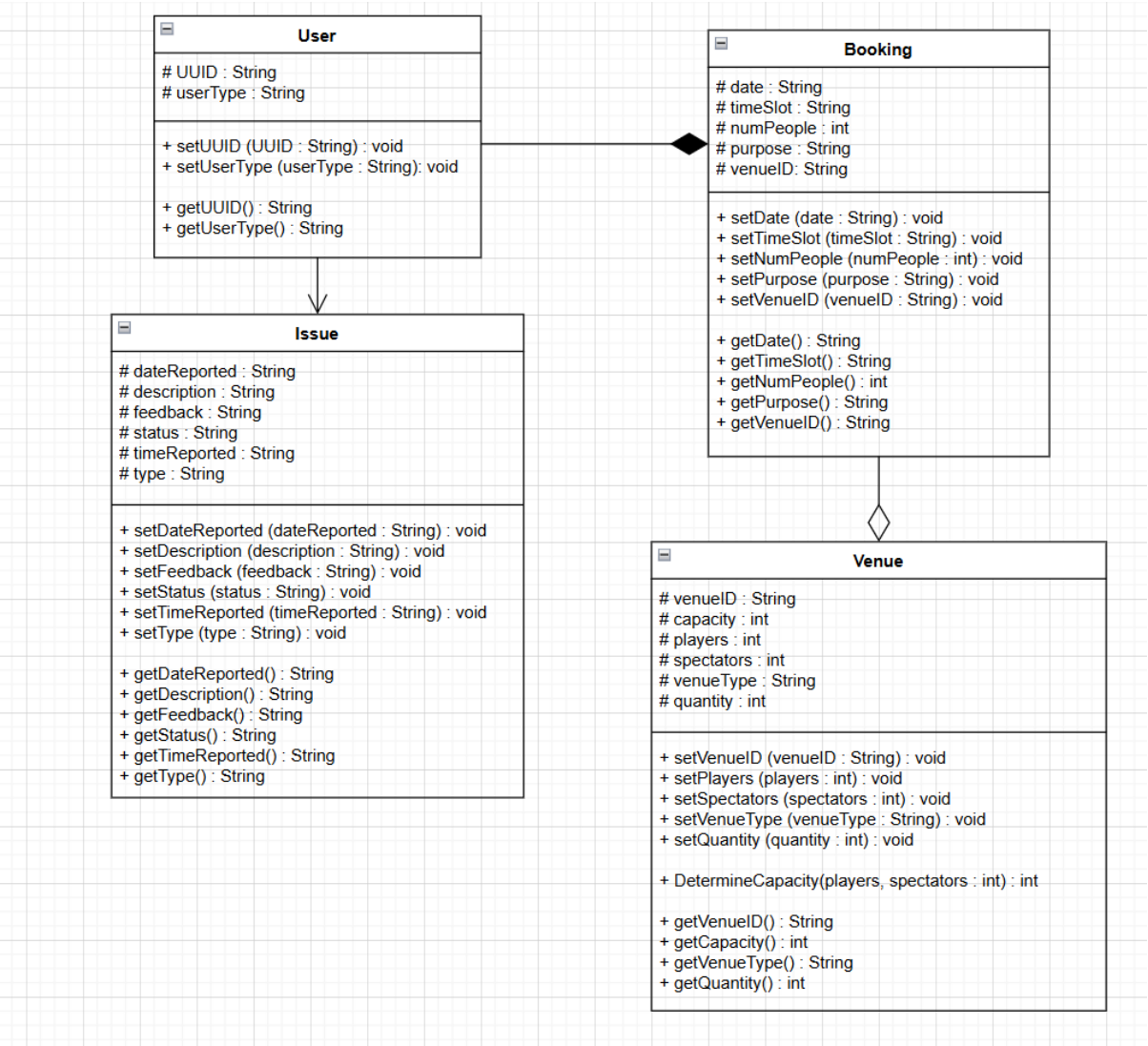
Use Case Diagram (Booking)



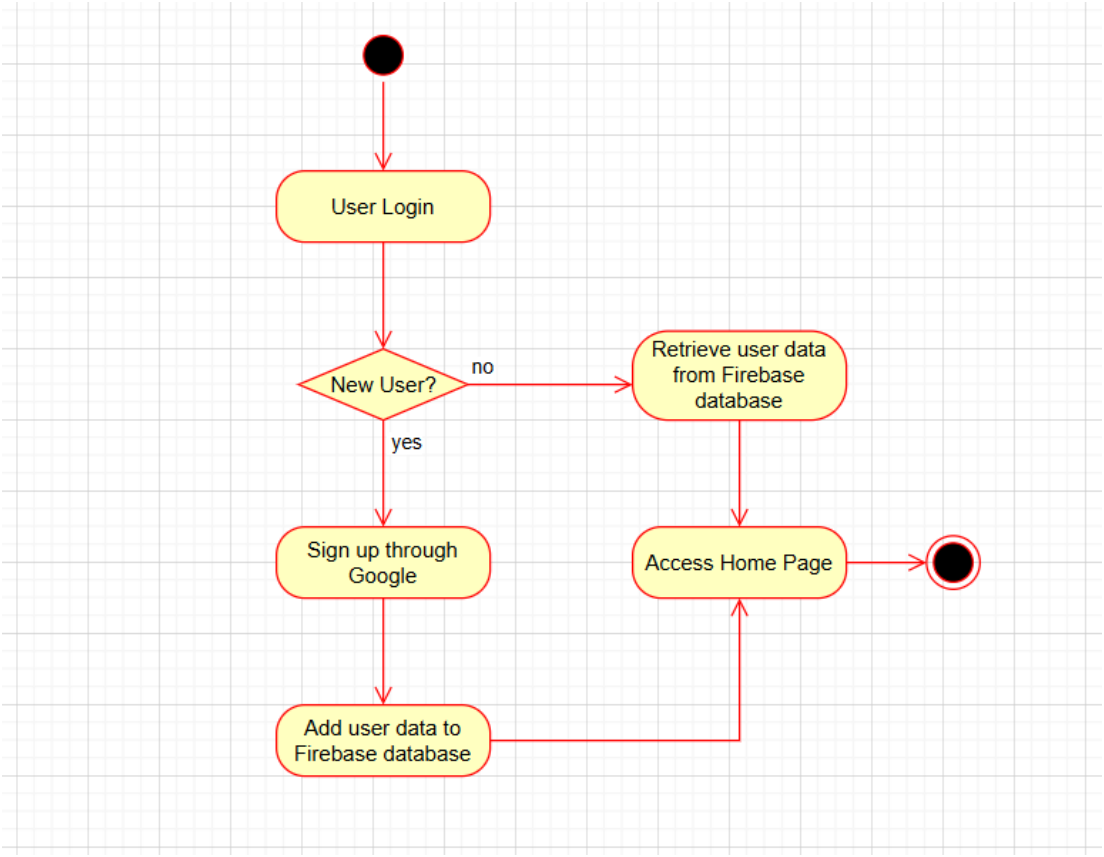
Use Case Diagram (Issues)



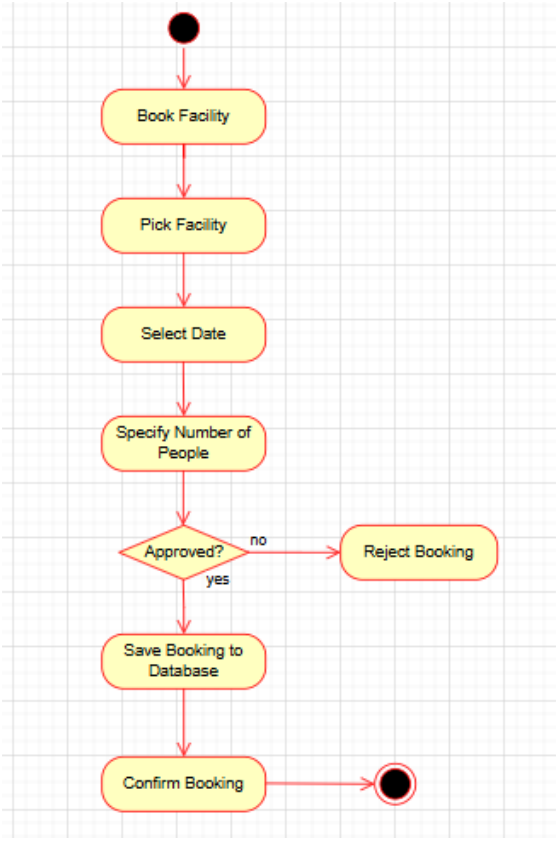
Class Diagram



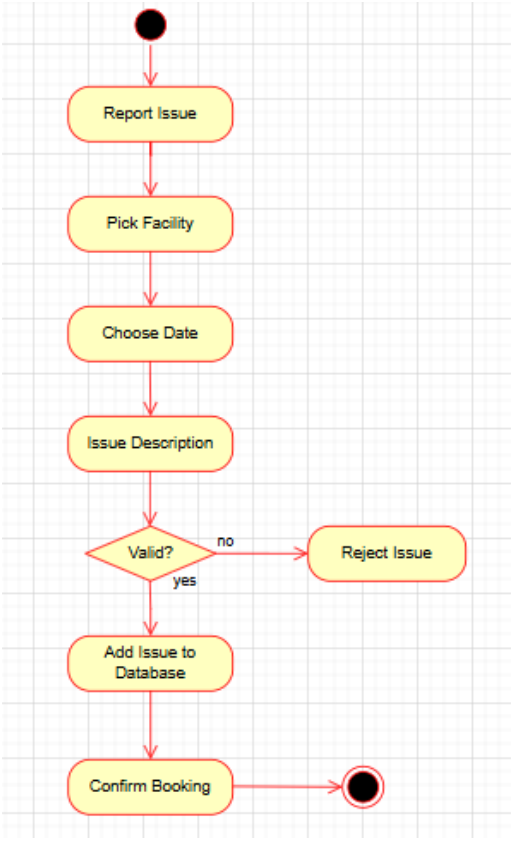
Activity Diagram (Sign in)



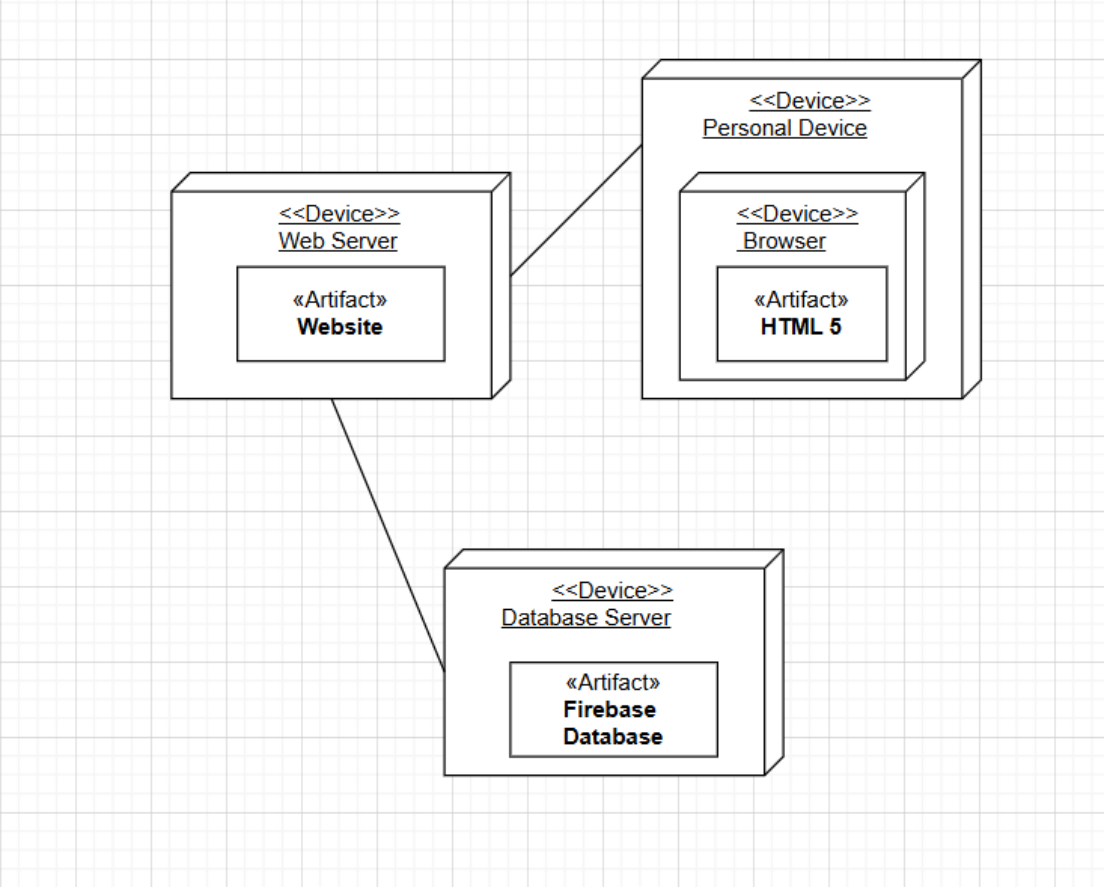
Activity Diagram (Bookings)



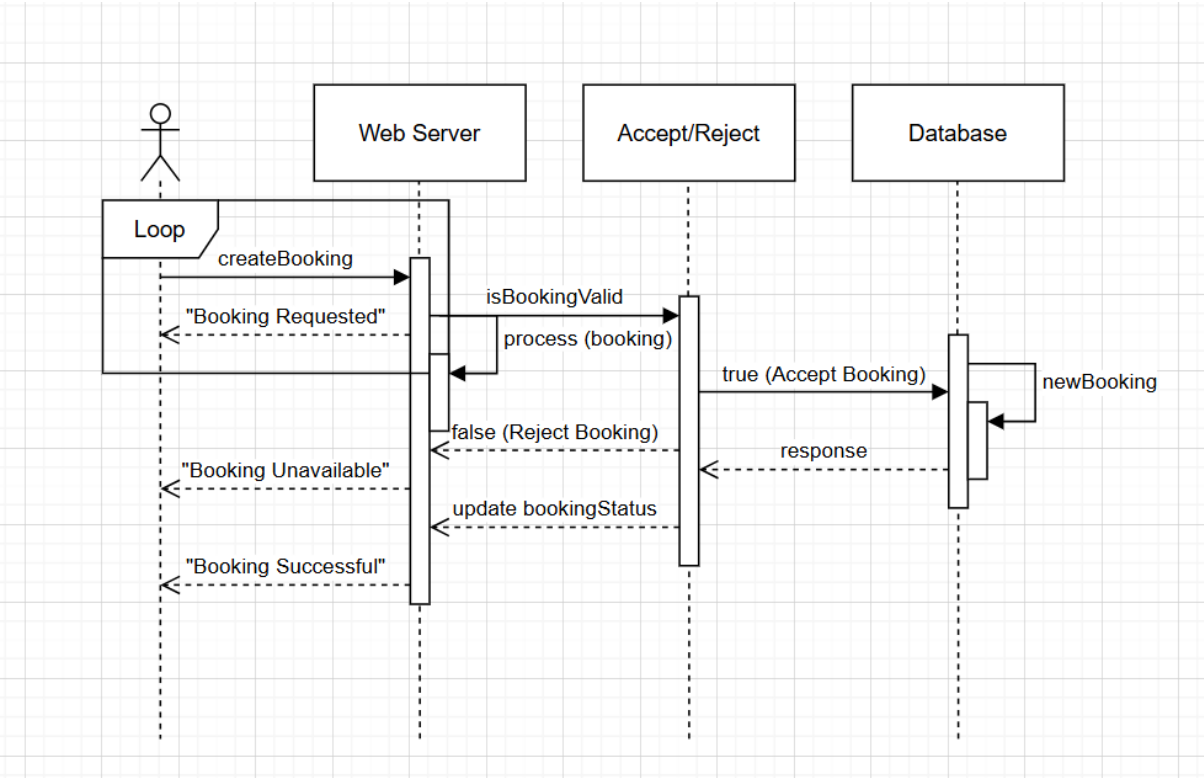
Activity Diagram (Issues)



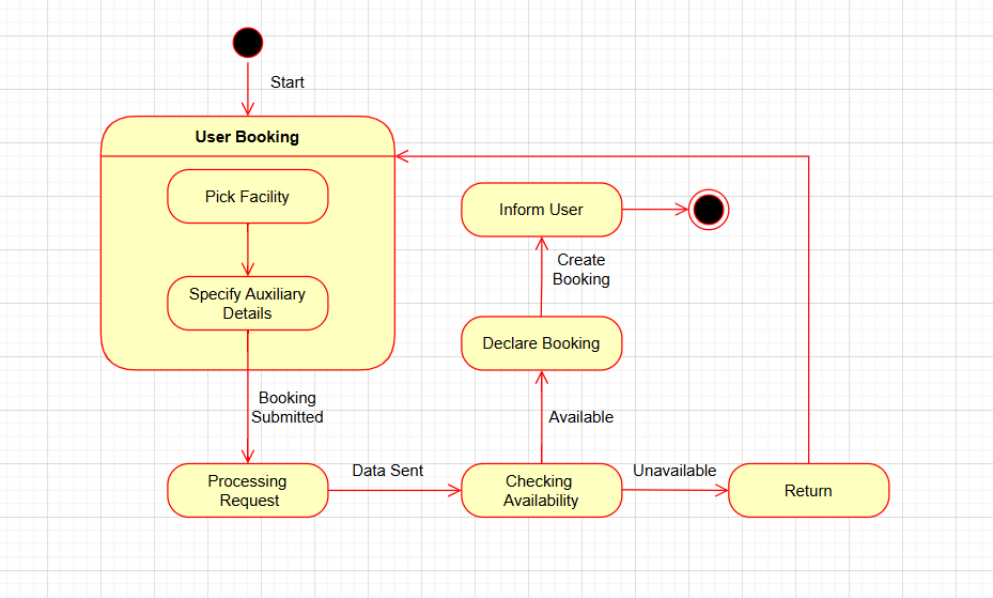
Deployment Diagram



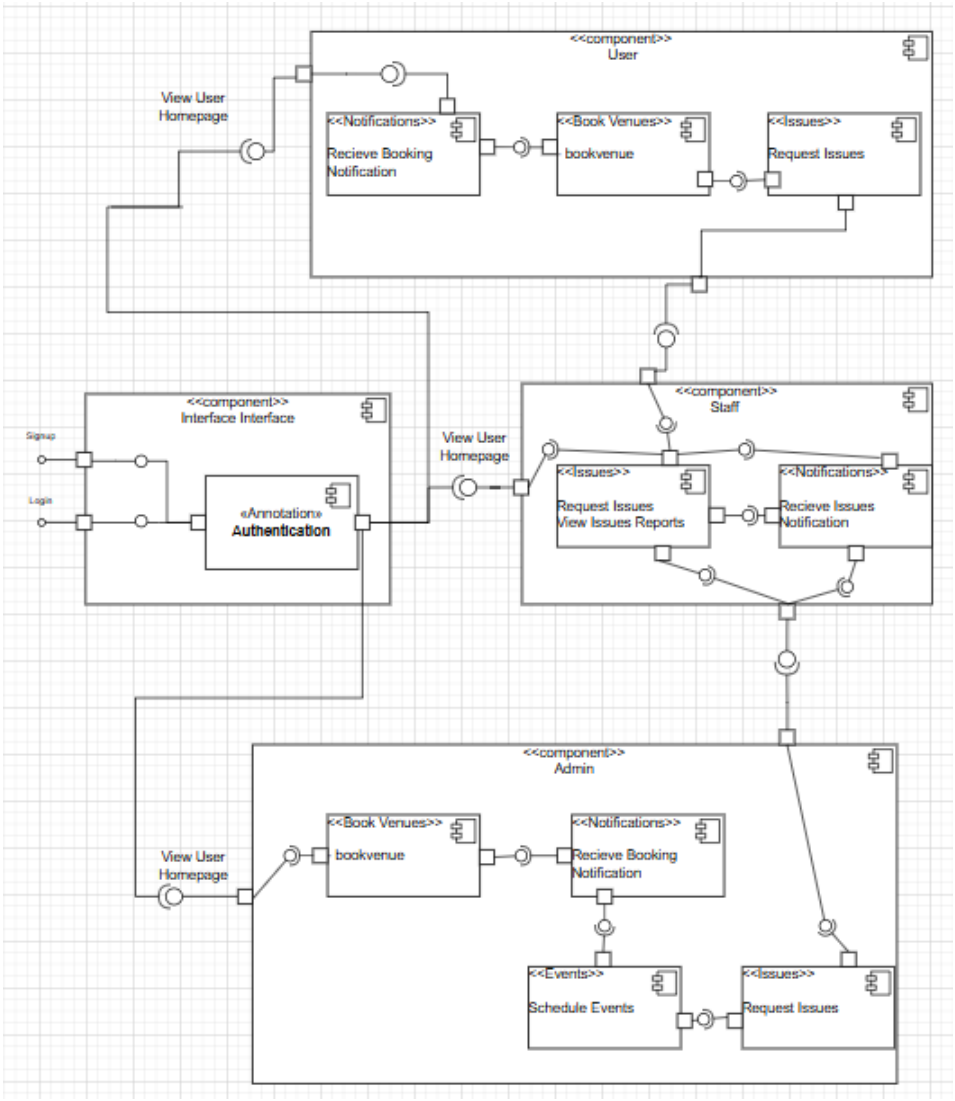
Sequence Diagram



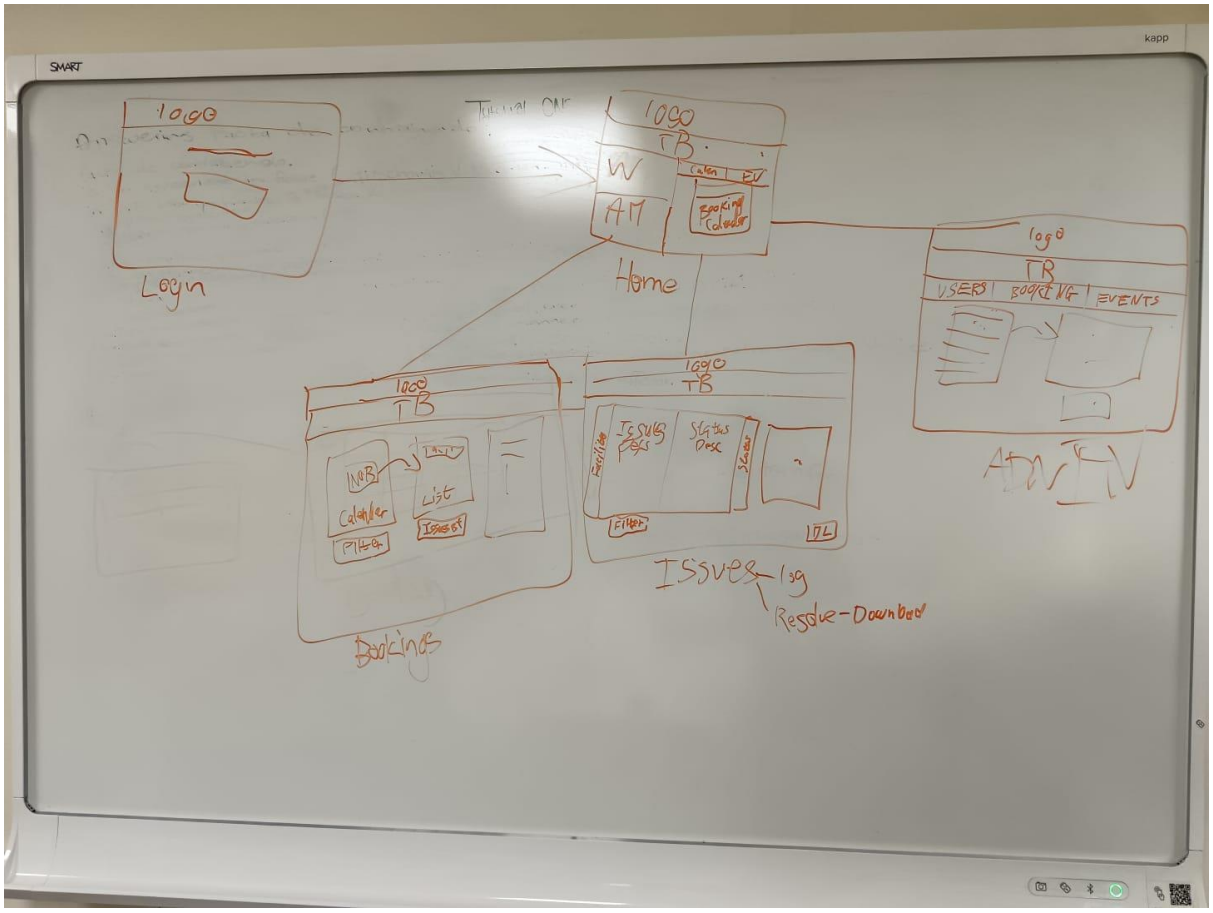
State Diagram



Component Diagram



Wireframes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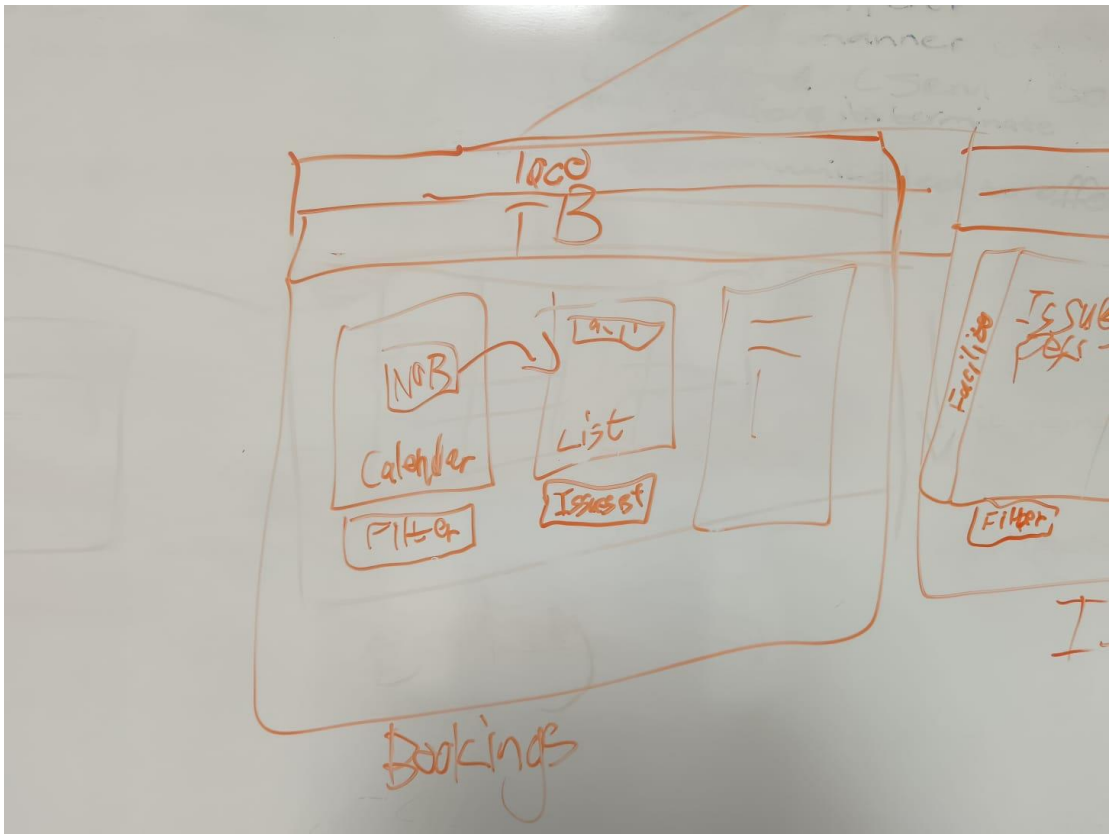
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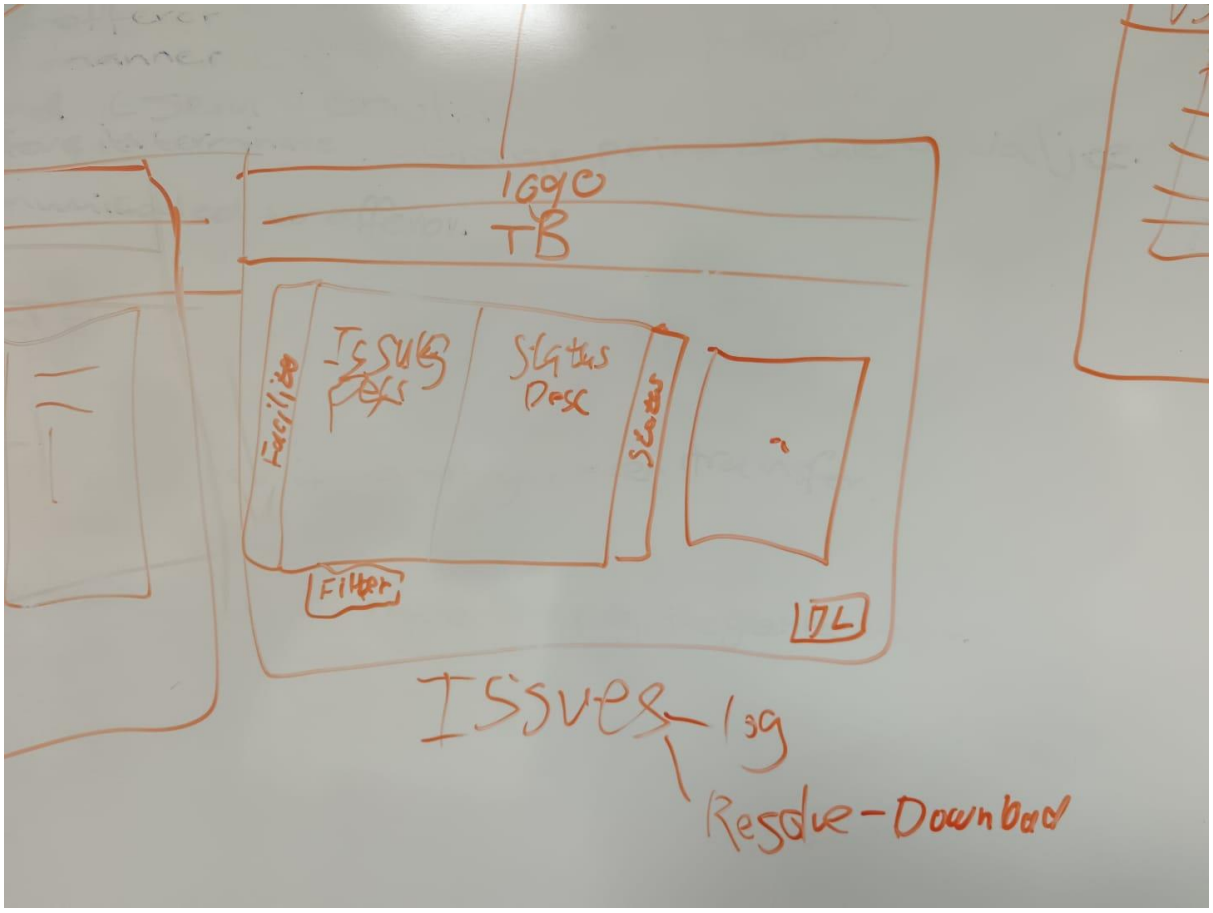
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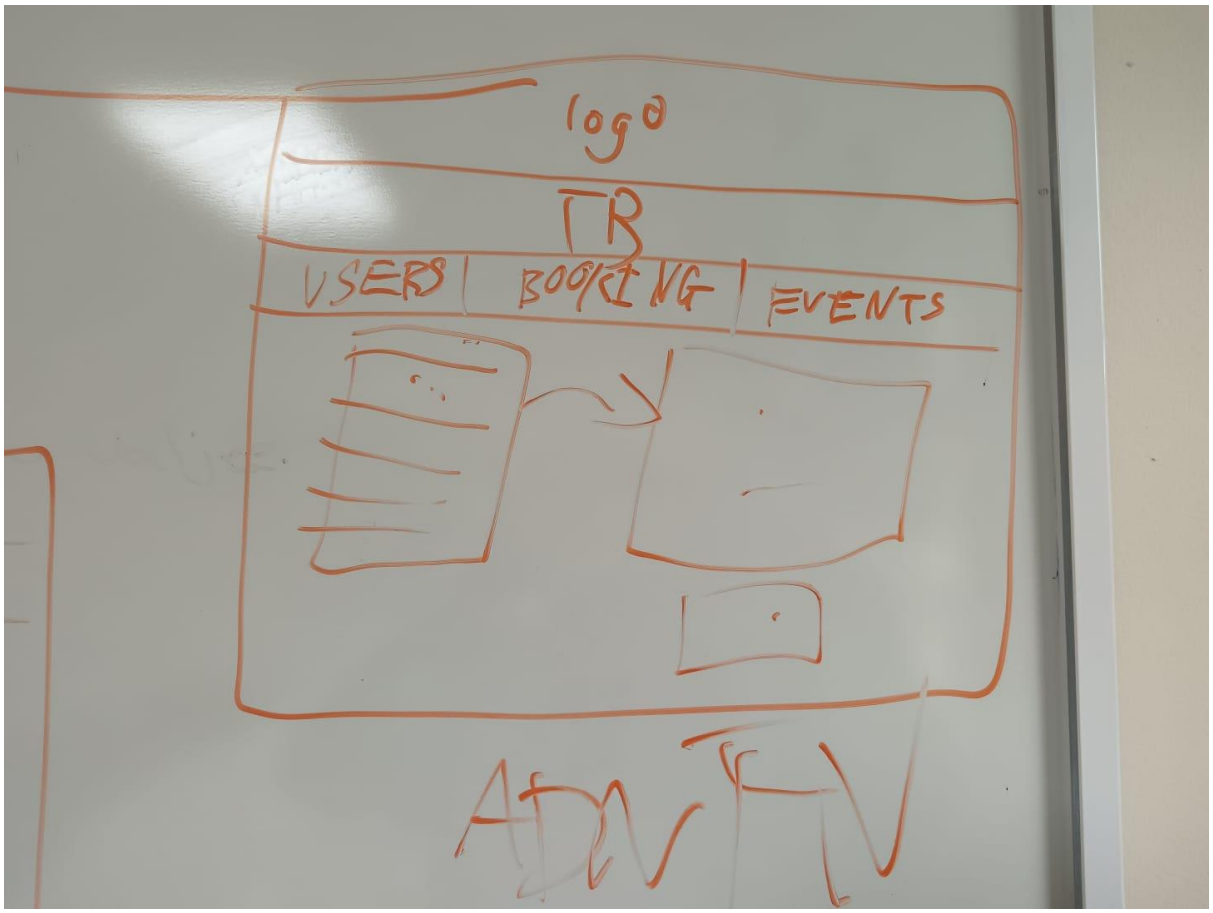
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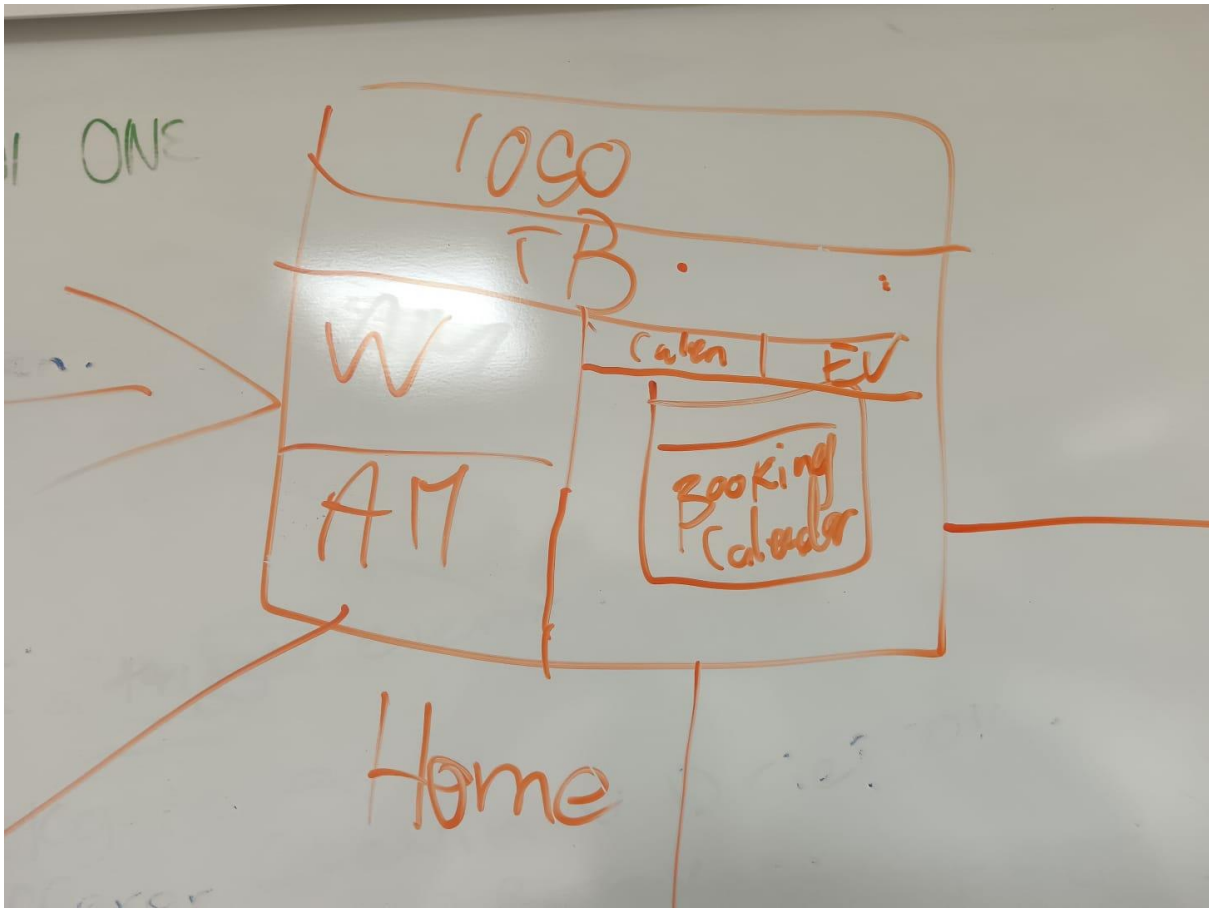
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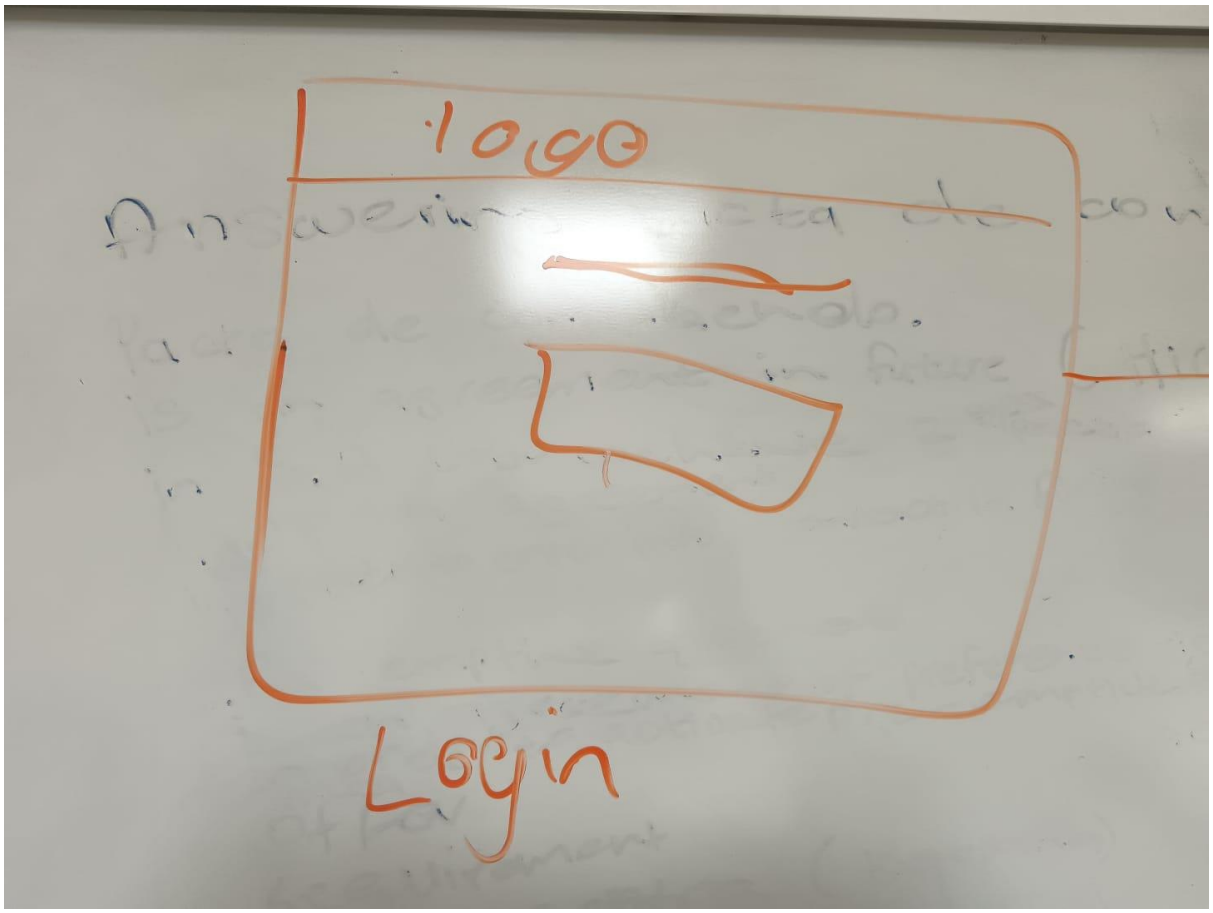

logo
Login

Meetings

1. Meeting

1.1 Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal
- Mohammed Gori

1.2 Date and Location

Date: 14 April 2025 at around 15:00

Meeting took place in person in CLM Library Discussion Room 1

1.3 Brief Discussion

Made solid progress on the UI structure and navigation framework. The home and dashboard pages have been outlined, providing a clear vision for the user flow. Role-based UI elements have been mapped out, ensuring that different users will have access to the appropriate features based on their permissions. Additionally, the routing library has been updated to enhance navigation efficiency and maintain a seamless experience. With these foundational steps completed, the next focus will be refining functionality and integrating dynamic data where needed. Let’s keep up the momentum!

1.4 Proof

CLM Library Room 1

2nd Sprint

1 Meeting 14/04 Everyone Present!

* Reminder

- Agile system → make changes as and when we want

- Today:
  - wireframe
  - mock-up.
  - Decide who does what!

~~Test~~

→ Check Notion:

- Wireframe Stuff

- Later stage. make Home page as the first page we see, ~~R~~ Now login page

Home - message of the day.
  ↳ Later
  - W → weather
  - AM → about me
  - Scheduling important
  - TB - tool bar

is specific for each user → resident → staff → admin

- events
- notification
  ↳ decide later

bullet points

Bookings - Choose Facility 1st
- Calender on side
  on date (specific) → # bookings.
  on other sides. all booking
  And book all stuff.

- Hourly booking
  9-10
  10-11

2pages → Resident view ← Same but has resolve.
Resolving → Admin/Staff

- Issues - need show issues on booking
  ↳ Later
  - table into pdf. later
  - on right report Issues.
  - staff and admin should see date.

Venue
see Issue descrip

Admin - resolved issues shows on issues for 3 days.
- download. pdf.

Login → Homepage
- Admin page - New tool bar.
  ↳ update user
  → booking
  → events
  → issues

Issue

updated every booking

click on user — staff
— resident.

post
edit
delete
} table.

End. 16:20

2. Meeting

2.1 Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal
- Mohammed Gori

2.2 Date and Location

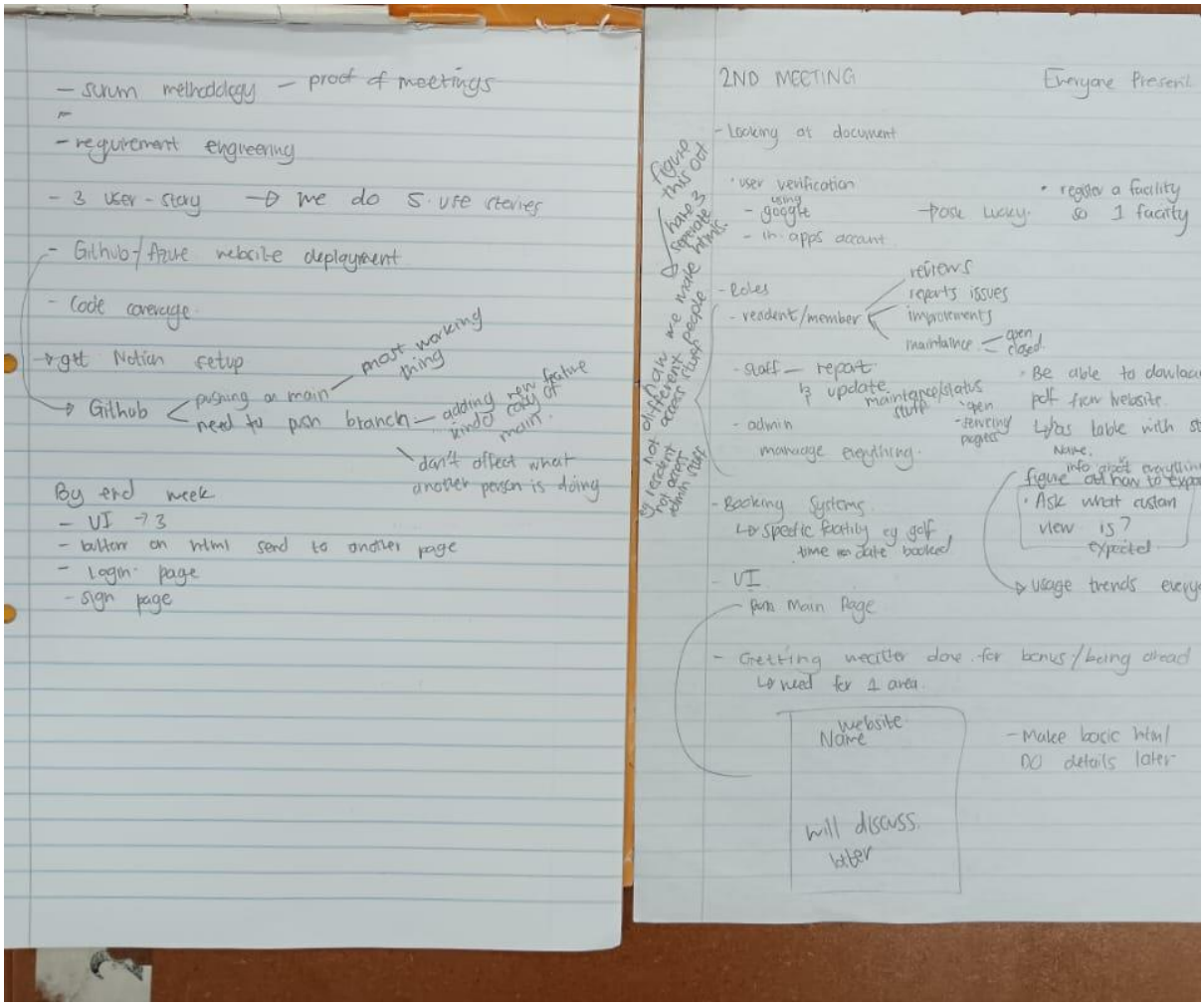
Date: 15 April 2025 at around 17:00

Meeting took place in person in Tutorial room.

2.3 Brief Discussion

Tackled key aspects of navigation and user-specific views. The navigation bar has been successfully optimized for responsiveness across both desktop and mobile devices, ensuring a seamless user experience. Work has begun on the Resident/Admin view logic to differentiate permissions and functionality based on user roles. However, a blocker has been identified—duplicated navigation links have surfaced in the pull requests, requiring resolution to maintain clean and efficient routing. The next steps will focus on debugging the duplicated links and further refining role-based interactions

2.4 Proof



3. Meeting

3.1 Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal

3.2 Date and Location

Date: 16 April 2025 at around 17:05 and ended at 17:51

Meeting took place on WhatsApp

3.3 Brief Discussion

The team discussed and made progress in integrating role permissions with the authentication layer, ensuring secure access control for different user types. The UI

wireframes proved invaluable in unblocking the frontend team, giving them a clear structure to proceed with development. However, a bug has emerged— the admin UI is currently overriding the default role page, which needs to be addressed to maintain the expected user experience. The next steps will involve debugging this issue and refining role-based logic.

3.4 Proof

Meeting started: 17:05 16 April 2025

Josh proposed the question: has anyone contributed to the project yet

Dewald responded with: other than figuring out basic stuff, no

Nathan also responded with: no

Justin responded with: no

Josh asked Ibrahim if he has made any contributions

Ibrahim misunderstood and responded that the missing member hadn't responded

Josh asked why he was referring to himself in 3rd person

Josh asked again if Ibrahim has contributed yet

Josh then stated that we aren't going to cover any intensive topics today, and see where this meeting takes us

Ibrahim clarified that he misunderstood, and that no he has not yet contributed either

Josh stated that he set up a GitHub repository and created a notion page as well as almost linked us to azure

Josh then stated that we need to name our project as our website needs a domain name

Josh then asked all present members for domain name ideas

Dewald stated that he cannot find a notion invite

Ibrahim proposed the name Finesse Sporting Facilitation or FSF

Josh proposed BookMyCourt or BMC

Ibrahim acknowledged and liked Josh's proposed name

Josh proposed more names: Courtly, FacilityPro, FieldBooker

Ibrahim wondered if the type of grounds should be general since it might be a court or a field, etc

Ibrahim liked the name FacilityPro

All present members tried to vote on a name: The result was inconclusive

Josh stated that Finesse Sporting Facilitation is too cumbersome a name

Dewald agreed

Josh proposed the names OpenSlot, SportsBooker

Josh stated that the name could later be changed

Nathan proposed the name SportsHub

Josh liked that name

Ibrahim liked the name but stated that it did not give off the feel of a booking system

Justin proposed the name quickserve

Josh responded that it was biased towards tennis and that this system is for multiple sports

Decision was reached and SportsHub was picked

Josh then stated that the next matter for consideration is the work to be completed by next Sprint meeting such as a basic website with buttons to swap between relevant pages

Ibrahim then agreed with Josh's statement

Josh stated that he thought of taking on the signup page and that he has put forth on notion all webpages that need to be completed such as login, main, booking as well as issues

Ibrahim stated that he would take on the main page

Josh stated that the leftover work will go to Mohammed as he was not present

Dewald stated that he would be needed to be told

Ibrahim stated that he should just get the bulk of the work

Josh stated that Mohammed should just look at the chat

Dewald stated that he would do the login page

Justin stated that he would do the booking page

Dewald then stated that login is slightly less than sign up but that he and josh would later need to collaborate on design to make them appear similar

Josh stated that for next week we should have basic webpages setup so that we can move from page-to-page next week, also that he will begin work on an API to connect to Firebase

Josh then summarized that we currently have 3 goals: A interface webpage that connects to an API that in turn connects to a database

Josh stated that we would require research on what manner of API, in order to find the one that works the easiest with Firebase

Dewald agreed with Josh

Josh stated that as of right now we have 2 things to do: The CSS files as well as the issues page

Josh asked Nathan what he would prefer to do

Josh then stated that he is combining the CSS into a one person job since it would be the same file across the board and that it will be just a matter of setting and attaching it once the HTML pages are done

Nathan then responded to Josh's earlier question, that he would take on the issues page

Josh then asked if there was anything anyone else wanted to add

Josh then stated that when downloading the repository there will be a file for main UI, and that we must make a new separate folder for each of our individual UI, and that from the start we should work in our own branch when attempting something

Josh then proposed the idea of a voice call on April 12 over discord

Ibrahim thanked Josh for his advice and agreed with his idea

Josh stated that the next meeting will be on 11 April over whatsapp, and that by then everyone should try to clone the repository

Josh then stated that he has made a simple website and that he would try deploy it later that same night

Meeting end 17:51 16 April 2025

4. Meeting

4.1 Present

- Nathan Le Roux
- Joshua Weppelman
- Justin Perumal
- Mohammed Gori

4.2 Date and Location

Date: 17 April 2025 at around 17:00

Meeting took place on WhatsApp.

4.3 Brief Discussion

The meeting began with a general check-in, saw great progress on the UI and functionality. Most pages have been successfully styled, bringing a more polished

look to the platform. All user roles can now log in and view their correct dashboards, ensuring a smoother experience tailored to each role's permissions. Meanwhile, the QA team has started smoke tests to catch any critical issues early in the process. The next steps will focus on refining styling details and addressing any bugs found during testing

4.4 Proof

Josh asked how everyone was feeling

Nathan responded that he just submitted

his issues.js file

Mohammed responded that he is confident after Josh explained stuff.

Josh said the next meeting will be on designing UI elements and how the website should look like

Josh added on getting a basic wireframe, and he mentioned he has a database and API setup and will go through them the next day

Nathan asked what was meant link and rebase

Josh explained to Nathan what it was

Mohammed asked about the database chosen

Josh and Nathan explained why

Firebase was chosen as a database

Josh asked where Dewald and Justin is

(Ibrahim sent his apologies as he could not attend)

Dewald did not respond

Justin was in the bathroom

Mohammed suggested that the group use Tailwind as a website template

The team agreed to look into it

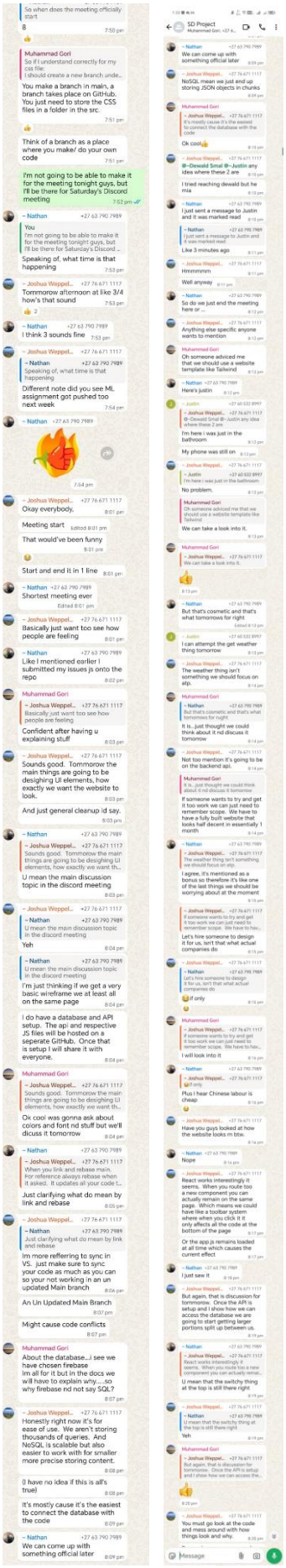
Justin asked if he could work on the weather

The team suggested that they should focus on what was required first before looking at the weather

Josh asked if anyone saw the website

The team said the website looked fine, for now

Josh re-iterated what was to be discussed in the next meeting



5. Meeting

5.1 Present

- Nathan Le Roux
- Joshua Weppelman
- Dewald Smal
- Ibrahim Vorajee
- Justin Perumal
- Mohammed Gori

5.2 Date and Location

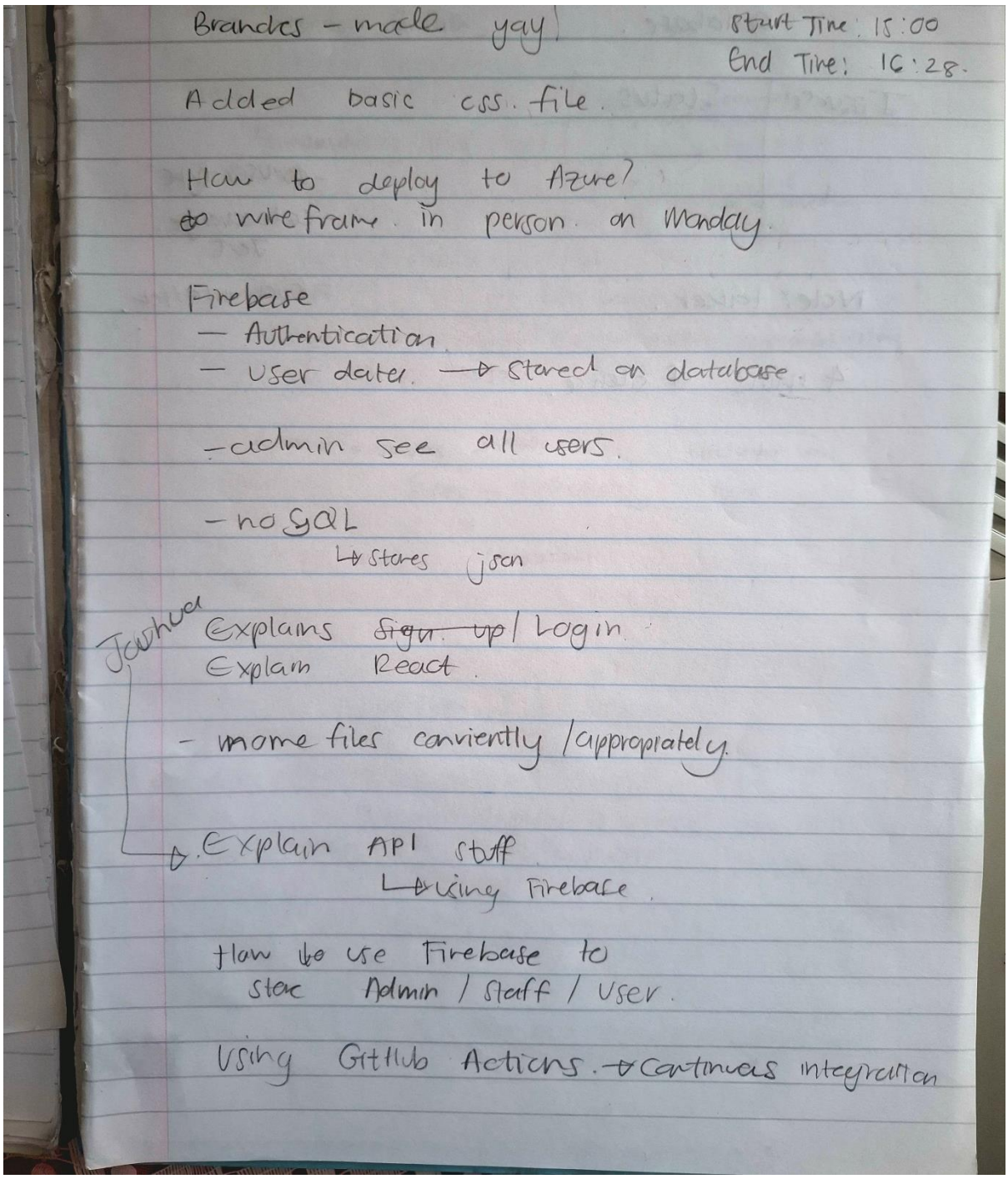
Date: 21 April 2025 at around 05:00pm

Meeting took place on Whatsapp.

5.3 Brief Discussion

Achieved a major milestone in stabilizing the sprint. All identified bugs have been fixed, ensuring that all navigation links are fully functional. Minor design adjustments have also been made, refining the user experience for a more polished interface. With these improvements in place, the sprint has been deemed stable and is now ready for review. The next focus will be final validations and any last refinements before moving forward. Great job, team!

5.4 Proof



Branches - made yay!
Start Time: 15:00
End Time: 16:28.

Added basic css. file.

How to deploy to Azure?
~~do~~ wire frame in person on Monday.

Firebase
- Authentication
- User data. → Stored on database.

-admin see all users.

-noSQL
↳ stores json

Jashod
Explains ~~Sign up~~/ Login
Explain React.

- name files conviently /appropriately.

Explain API stuff
↳ using Firebase.

How to use Firebase to
stor Admin / Staff / User.

Using Github Actions. → Continuous integration

- Take screen shot about Database.

Issues	Status

- user type.
- code coverge. Jest
- Documentation.

Note: taker.

4 mins of silence noted