

CSIS3275-003 Software Engineering Project

Sport Betting Analysis Website:

GameDayTrades.com (GDT)

Team Awesome

Group Members:

Edison CHAN (300370372) - WCEdison

Catherine Methven (300361000) - camm9

Jaimin Shah (300353635) -jaik27

Washington Valencia (300366206) - educristo777

GitHub Repo:

<https://github.com/camm9/GroupAwesomeProjectProposal.git>

1. Project Scope

1. Our product is a sports betting analytic website, in short, “use the modern ux from finance website and stocks analytics website, but for football and other sports”
2. The target audiences are the people who are betting in sports, or simply want a prediction and forecast for their favourite team before each match.
3. The problem we are solving is that the UX for the sport betting website doesn't have the in-depth and intuitive analytics like timeline, trends, statistics comparison, analytics tools that stock market websites possess.
4. There are existing sports betting website like Playnow, Sportsbook, Betway
5. Our System will be different because we will be more dataset focused, and present data like a stock market analysis including historical performance and trend

1.1 Solution and Problem:

Fig 1.1 Playnow on Football Statistics

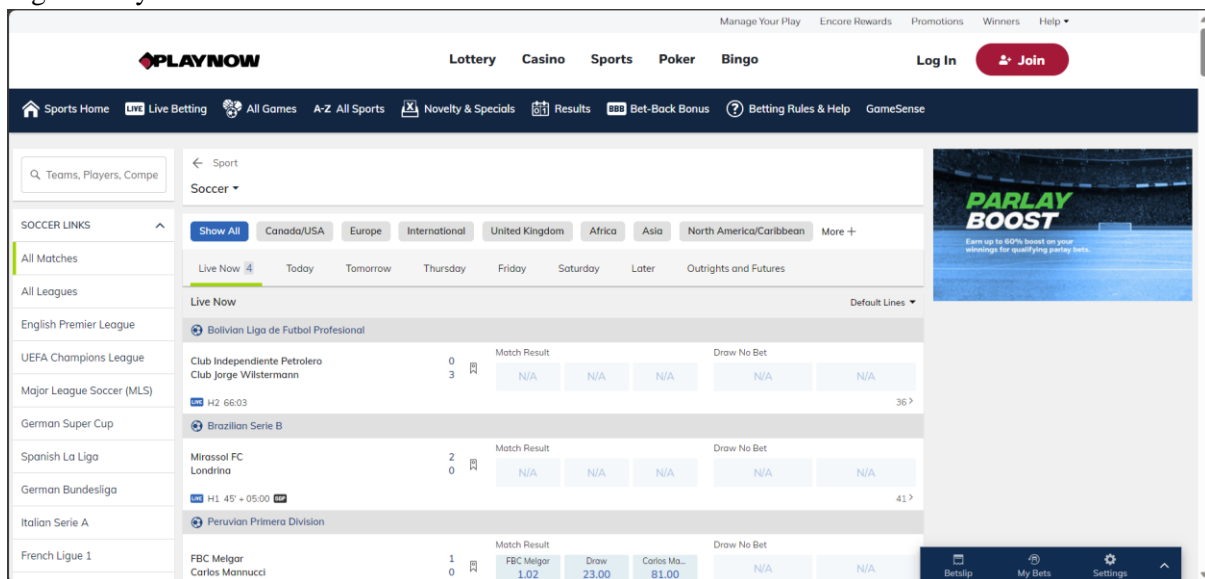


Fig 1.2 Sportsbook on Football Statistics

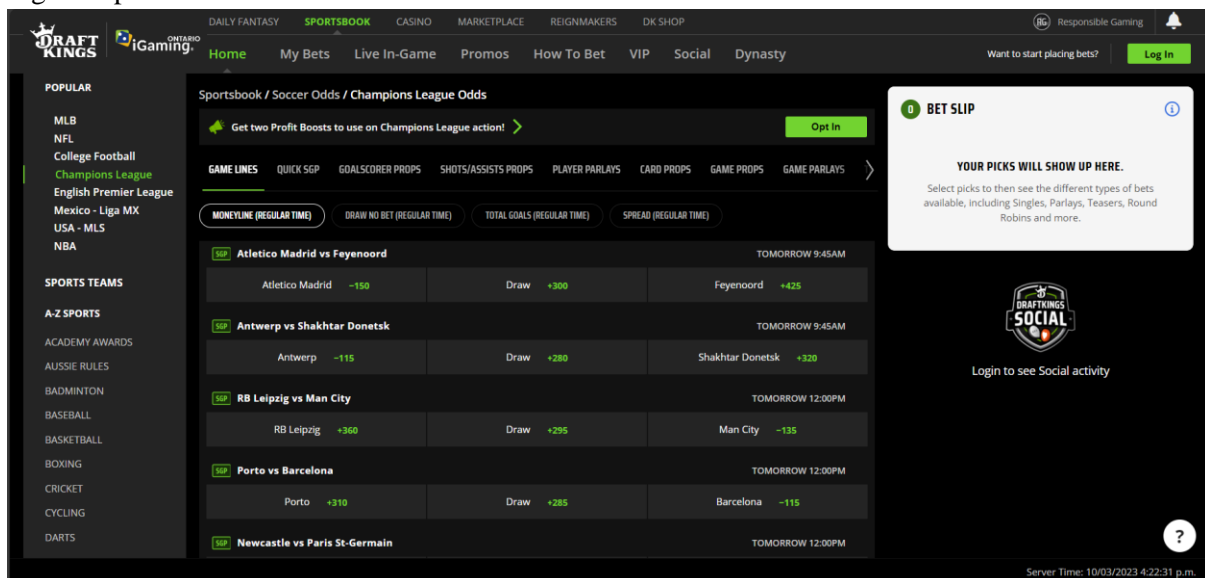
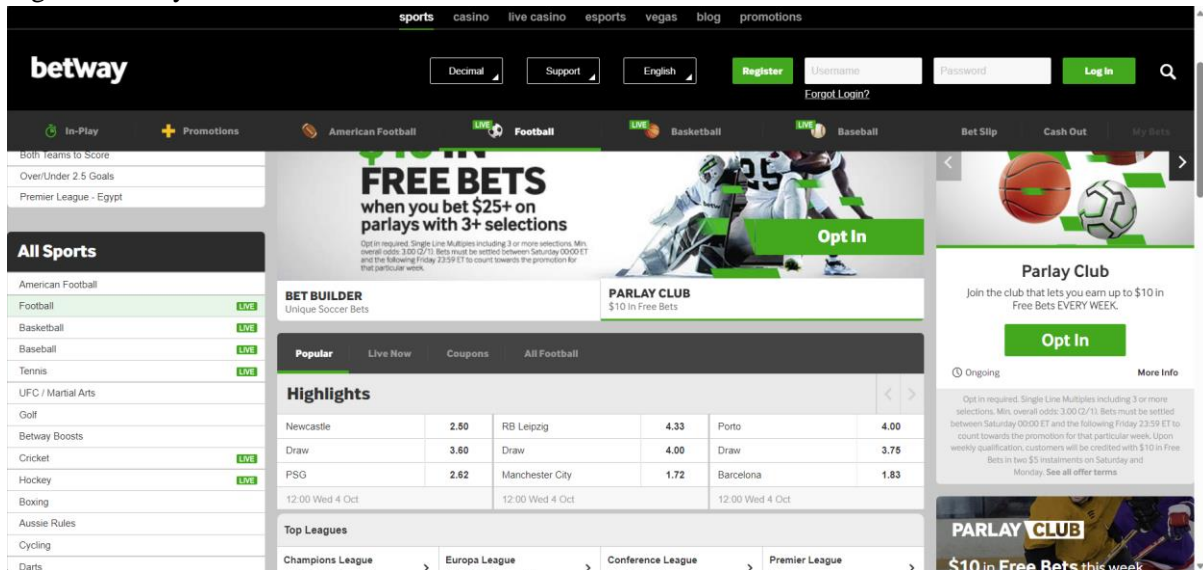


Fig 1.3 Betway on Football Statistics



In Fig 1.1, 1.2 and 1.3, we show how typical sport websites present their data, while we wish to introduce concepts from finance websites like Fig 2.1, Fig 2.2 and Fig 2.3, with forecast, past record, trend, ROI and lastly saving the (investment/betting) profile.

Fig 2.1 FXStreet Analysis

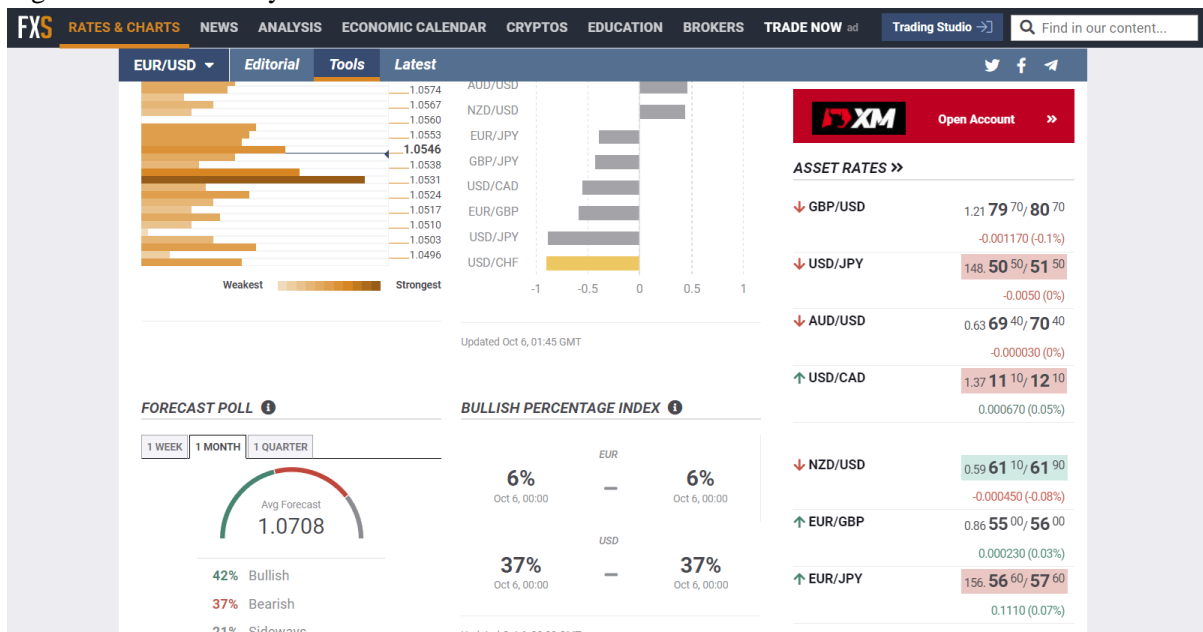
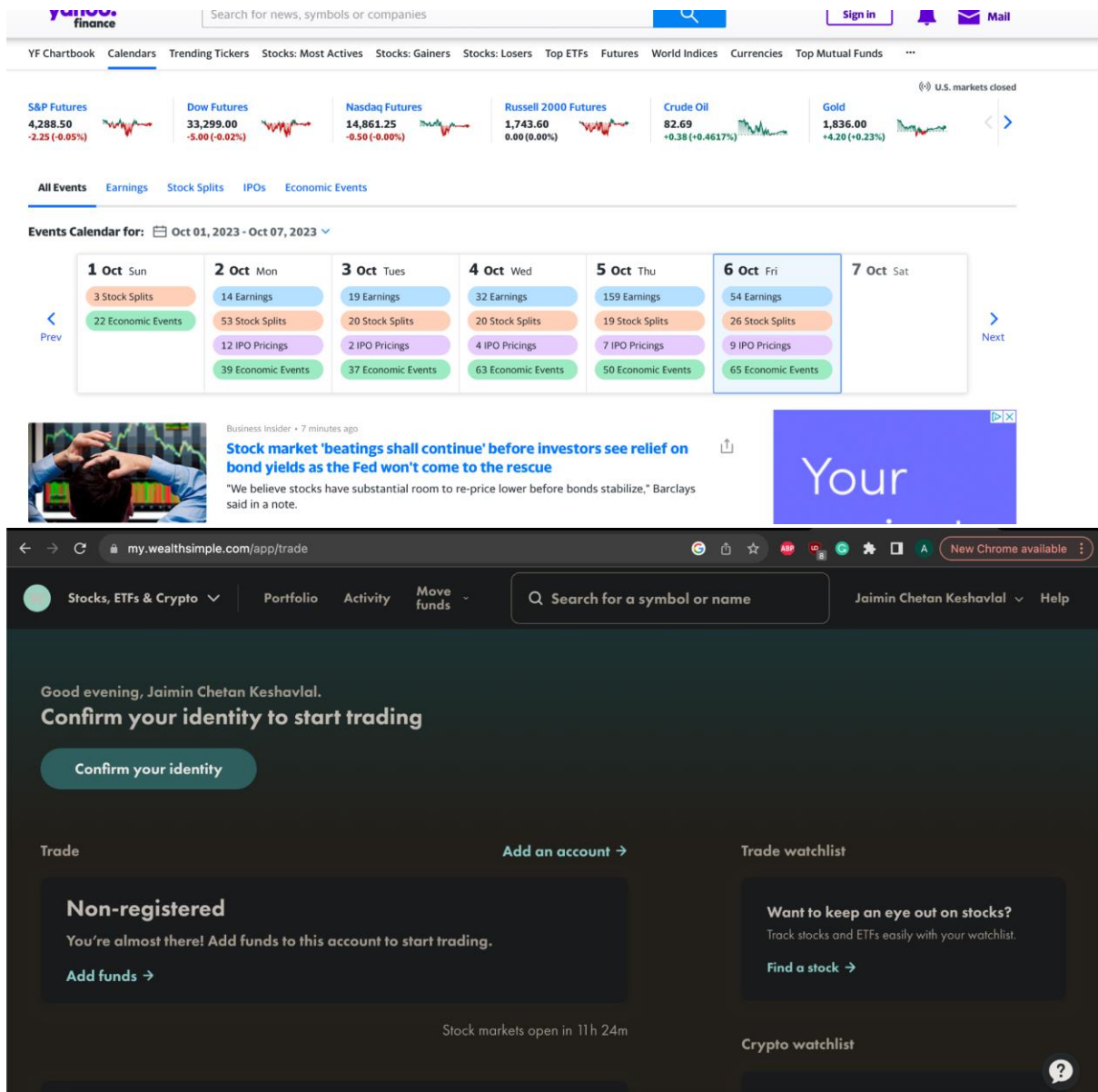


Fig 2.2 Yahoo Finance



1.2 User Stories

Story	Description
As a site visitor , I want to create an account and log in so I can have a personalised data	To interact with flexibility, comfort and total control visitors will be able to sign up and meet their thrills and requirements with custom datasets.
As a site visitor , I want to search for sports betting statistical data so I can bet wisely	Visitors will be able to review and filter news, trends, etc., quickly and with simple clicks in order to stay up to date with all betting scenarios.
As a site visitor , I want the latest football news headlines so I can stay up-to-date with all betting scenarios	

As a site visitor , I want to view live game statistics so I can stay up-to-date while on the site	
As a site member , I want to add save my favourite datasets so I can view them easily and quickly	With easy to use and interactive interfaces, members will be engaged and will meet their thrills and requirements with custom datasets. They will decide the level of risk to deal and compete and you will continually receive notifications that help you take care of your finances and at the same time not miss opportunities.
As a site member , I want to create custom datasets so I can view them at later dates	
As a site member , I want to export my favourite datasets so that I can share them with friends	
As a site member , I want to notifications for a particular betting odd of my choosing so I never miss out on a good deal	
As a site member , I want see historical performance of past betting odds so I can assess my previous bets	With historical behaviours available, members will combine data with their betting skill and knowledge to make the round more interesting. Filtering options will allow members to access past data quickly and precisely.
As a site member , I want to see the top performing members so I can see the highest ROI%	With best navigation practices, members will know how to obtain relevant information about members, to place a bet in fractions of a second competing with friends or colleagues.
As a site member , I want to export my favourite bets to share on social media	To make the sport and betting more interesting, users can easily download their available data to share with friends/colleagues.
As site admin , I want to be able to Create Rename Update Delete (CRUD) on users	To manage/maintain the system available, managing user profiles, troubleshooting issues, and proactive user managemet - user behavior data to gain insights into how users interact with the system.

1.3 Initiatives

Our group project's user stories can be divided into 3 different epics that address the initial creation of a membership website and the building of features that allow members to analyse their favourite sports betting statistics. These epics can summarised as the following and assigned to the first three sprints of the project:

<i>Sprint #</i>	<i>Initiative</i>	<i>Epic</i>
Sprint 1	Database, landing page and basic data search	Create website that retrieves popular football betting statistics
Sprint 2	Save and customise various data feed	Add personalised betting statistic selection and file export
Sprint 3	Re-imagine the Online Sports Betting UX Model	Add features (historical trends, relevant news feed, user notifications, betting predictions, performance metrics, custom betting strategies) and improve file export and sharing

Based on the initiative and epic descriptions of the project, we have created what we predict to be the major user stories of the first three sprints in the table below. However, it is important to note that as the project progresses user stories may be changed as issues arise and are added to the project backlog.

1.4 Entities

Our stories will focus on the most important entities which are:

1. **site members**,
2. **site visitors (not members yet)**,
3. **site admins**, and
4. **b2b data provider**, e.g. bet365.

1.5 External Components

This webpage will be using **web services**,

1. OAuth2 to login,
2. social media api to share profile,
3. some examples of statistical APIs we will use are Football xG Statistics and Football Betting Odds found on RapidAPI;

We use the **file system** to export betting profiles or import past profiles to be shared.

1.6 Software Tools

Our group has agreed on the following tools to aid in the completion of the project:

- JavaScript, HTML and CSS, Java
- Eclipse IDE - as our coding editor
- Git - for source control management
- Source Tree - provides visualisation of Git for source control management

2. Project Schedule

<i>Sprint #</i>	<i>Story</i>	<i>Team Member</i>	<i>Points</i>
1	1.1 As a site visitor, I want to create an account and log in so I can have a personalised data (login)	Edison	2
1	1.2 As a site visitor, I want to search for sports betting statistical data so I can bet wisely (search)	Catherine	2
1	1.3 As site admin, I want to be able to Create Rename Update Delete (CRUD) users (database)	Jay	3
1	1.4 As a site visitor, I need to be able to see beautiful landing, login, statistics, profile, categories and contact page.	Washington	3
2	2.1 As a site member, I want to create custom datasets so I can view them at later dates (custom filter)	Catherine	2
2	2.2 As a site member, I want to export my favourite datasets so that I can share them with friends (export data)	Edison	2
2	2.3 As a site visitor, I want to view live game statistics so I can stay up-to-date while on the site (live data feed)	Catherine	1
2	2.4 As a site visitor, I want the latest football news headlines so I can stay up-to-date with all betting scenarios (news feed)	Edison	1
2	2.5 As a site member, I want to save my favourite datasets so I can view them easily and quickly (save data)	Jay	2
2	2.6 (follow up on 1.4) As a site visitor, I want a simple user interface so I can quickly view my preferred datasets (data presentation)	Washington	2
3	3.1 As a site member, I want to notifications for a particular betting odd of my choosing so I never miss out on a good deal (notification)	Catherine	2
3	3.2 As a site member, I want see historical performance of past betting odds so I can assess my previous bets (historical performance)	Washington	3
3	3.3 As a site member, I want to see the top performing members so I can see the highest Return On Investment % (rate of return calculator)	Jay	3
3	3.4 As a site member, I want to export my favourite bets to share on social media (social media)	Edison	2

3. Group Dynamics

1. Clarify who will be your Team Leader in the group,
 - a. [Edison CHAN] will be the team leader in this group (Dev/Documentations/PR)
2. What will be the other roles of each member?
 - a. Edison [Lead/Dev/Documentations/PR]
 - b. Catherine [Dev/Tester]
 - c. Washington [Dev/Ops/Designer]
 - d. Jamin[Dev/db manager]
3. Were there any disagreements in the roles?
 - a. So far we have no disagreement in the roles
4. How were they dealt with?
 - a. We will have weekly meeting before the lecture
 - b. We will have follow up meeting or coworking session for issue to be solved on Thu/Fri timeslots
 - c. We have some basic ground rules
 - i. No force pushing to the main/development branch, main branch is protected with 1 person review requirement
 - ii. We are work in our own branch, one person is in charge of merging the various branch to avoid conflict or untested bug being pushed to development branches
 - iii. If there is going to be disruption in schedule, we have to alert all other teams members in advances as early as possible
 - iv. In agile development changes are welcome, but decisions made in meetings should be amended and agreed upon in the next meeting where all members have mutual consensus
 - v. All members should be on the same page in all sprints and meetings, if there is uncertainty or changes, please raise them as soon as possible, and it is the obligation for each member to attend meetings and be in-sync with the team

4. Meeting Minutes

1st Meeting 28 SEP 2023

Attendance: All

What had we done before?

1. Brainstorming,
2. basic schedule checking,
3. project proposal reading

What are the difficulties, which questions are being solved?

1. How do we schedule a weekly meeting time?

Next Meeting (3 Oct 2023 1115) 15 min before lecture

30 minute before Lecture Tuesday 1100

Friday night

Thursday afternoon

2. What is our final topic? How is it going to be implemented?*

Data sources and API needed: Solved, we have <https://rapidapi.com/collection/list-of-free-apis>
[Please note potential issue with https]

21 Free Public APIs for Developers & Free Alternatives List - September, 2023 | RapidAPI
Browse 21+ Free Public APIs for Developers available on RapidAPI.com. Top Free Public APIs for Developers include Google Translate, Movie Database Alternative, API-FOOTBALL and more. Sign up today ...

Webapi: Use the above

File System: Allow user to export data

3. Does it fit the project requirement without going too far to impact our work-life balance?

Exact Scope Undefined - to be done by 30 Sep

4. What are the milestones and objectives for each sprint?

1. Multiple User
2. Export Data
3. Web API Access
4. Suggestions
 - a. Notification System
 - b. Additional Sports

5. What are the job distributions for each sprint (volunteer only, avoid assigning task)?

To be done Sat [Pending]

6. Who is going to edit and submit the final project proposal?

See Actual Proposal document at

<https://docs.google.com/document/d/1nW8A950voEpuOKRNZyGm-1PU9WvXRRF9Q7yWqkmcrGs/edit?usp=sharing>

Meeting Minutes

7. Who is going to submit assignment 2?

[From Actual Proposal Requirement]

1. Project Scope
 - a. Answer the following questions in this section,
 - i. What is your product? *
 1. Football (Sports) betting analytic website
 - ii. Who is the target audience you expect to use the software and what problem is it solving?
 1. Football fans and betting companies
 - iii. Are there any similar systems on the market?
 1. Yes, football betting website and record websites
 - iv. How will yours be different?
 1. It incorporate feature from fiance websites
 - v. What are the major user stories in your software?

[Jamin]

1. User Story 1: As a user, I want to analyse historical sports data to identify trends and patterns.
2. User Story 2: As a user, I want to receive real-time updates on game scores and statistics.
3. User Story 3: As a user, I want to access machine learning predictions for upcoming games.
 - User Story 1: Access to historical data for analysis and trend identification.
 - User Story 2: Real-time updates and scores, crucial for live betting.
 - User Story 3: Machine learning predictions, providing valuable insights for upcoming
- b. Provide some brief descriptions of these user stories as well as the value they will add to the customer.

2. Group Dynamics # [Done]

What is to do? When is the next meeting?

1. Assignment 2 (No idea, still not posted yet)
2. Project Proposal [Basic Content by Edison Done by 28 Sep (THU), All Content Done by All on 30 Sep (SAT)]
3. Project Sprint 1 [To be confirm after scope and user story is finalised]
4. Need time for weekly meetings.

Next Meeting 15 min in-sync before the lecture

Possible Long meeting (1hr) on Thu/Fri depending on availability of team

2nd Meeting (1 hr): 1800 5 Oct 2023

Attendance:

All

What had we done before?

1. Completed Assignment 2 web app
2. Finish the majority of user story and design of project
3. Project proposal final draft

What are the difficulties, which questions are being solved?

1. The final draft of project proposal has been worked on
2. The project requirement has been gone through entirely
3. The assignment 2 requirement has been gone through entirely
4. Solved issue with solution not specific enough for project design
5. Solved

What is to do? When is the next meeting?

1. Upload the project proposal
2. Finish our own review question on
3. Double check task assignment on assignment 2 on github project
4. Push the dev branch to release