

Girra Gang SENG2021 Deliverable 1

Problem Statement

- 1) There is no pre-existing analytics tool to compare your League of Legends match statistics to those of another player.
- 2) There is no League of Legends analytics tool that offers video streams of live professional play.
- 3) There is no League of Legends analytics tool that shows only relevant and recent data, and thus provides an accurate representation of current skill level.
- 4) There is no aggregate of professional player statistics.
- 5) There is no appropriate tool that provides a convenient method to compare one's own performance to that of a professional player with multiple accounts in multiple regions.
- 6) There is no League of Legends tool that provides the ability to filter matches by both characters played and role served when searching match statistics in order to accommodate unorthodox playstyles.

User Stories

FEATURE: Comparison of two individual matches.

As a League of Legends novice, I want to be able to conveniently compare two matches on the same page, so that I can easily find differences between my gameplay and that of another player.

GIVEN I am on the ProDiff website,

WHEN I click on "Compare" in the menu bar,

THEN I should be on the comparison page.

WHEN I input two player names,

AND I press the search button,

THEN I should see their recent games.

WHEN I select two games to compare,

AND I confirm my selection,

THEN I should see detailed statistics comparing the two matches.

FEATURE: Featured aggregation of popular live streams of professional play.

As a League of Legends player, I want to be able to view an aggregation of current live streams of professional play, so that I can observe the strategies of professional esports players at any given time.

GIVEN I am on the ProDiff homepage,

WHEN I scroll down the page,

THEN I should see any available live streams of professional play,

AND I should be able to follow the embedded player to view the stream directly on Twitch.

FEATURE: Provide an overview of a player's recent match history.

As a League of Legends player, I want to be able to search a specific player's data on the home page, so that I can see the specific player's games from the past six months.

GIVEN I am on the ProDiff website,

WHEN I input a name and region into the search bar,

AND I click the search button,

THEN I should be shown their player profile that has detailed information on their recent games.

FEATURE: Display a player's recent match's statistics in detail.

As a League of Legends player, I want to be able to see detailed information of an individual game, so that I can see advanced statistics of the game, including but not limited to level, team mates and opponents, total gold earned, item builds, pre-game selections, selected spells, and skill point spending.

GIVEN I am on a specific player's profile,

WHEN I click on any given game,

THEN I should be shown detailed statistics regarding that game.

FEATURE: Filter a player's recent matches to show any combination of character and role.

As a League of Legends player, I want to be able to filter a player's matches by character or role played, so that I can see the relevant and recent match history for the given filtration criteria.

GIVEN I am on the match history for a specific player,

WHEN I navigate to the filter menu,

THEN I should be able to select certain characters or roles as filtration criteria,

AND The page should now only display matches which fill the given criteria.

FEATURE: Display a list of active professional players.

As a League of Legends player, I want to be able to see a list of every currently active professional player, as well as what role they play in and what team they belong to.

GIVEN I am on the ProDiff website,

WHEN I click on "Pro Players" in the menu bar,

THEN I should be on a page displaying every currently participating team.

WHEN I click on a team,

THEN I should be able to view every active professional that plays for that team.

FEATURE: Filter the list of professional players.

As a League of Legends player, I want to be able to filter the results of my search for professional players by region or role, so that I can retrieve data of players from my region or role of choice.

GIVEN I am on the "Pro Players" page,

WHEN I navigate to the filter menu,

THEN I should be able to select which regions or roles to filter by.

WHEN I confirm my choices,

THEN The page should only display players that match the criteria.

FEATURE: Compare a professional player's statistics to those of another player.

As a League of Legends player, I want to be able to compare the statistics of my matches to those of a professional players, including but not limited to gold accumulated over time, items purchased, damage dealt, objectives taken per team, etc.

GIVEN I am on the "Pro Players" page,

WHEN I select a team

THEN I should be able to see each of the five active players for that team.

WHEN I click on a specific player,

THEN I should be taken to their profile.

WHEN I select a recent game of theirs for comparison,

THEN I should be taken to the "Compare" page with the professional player's match pre-selected.

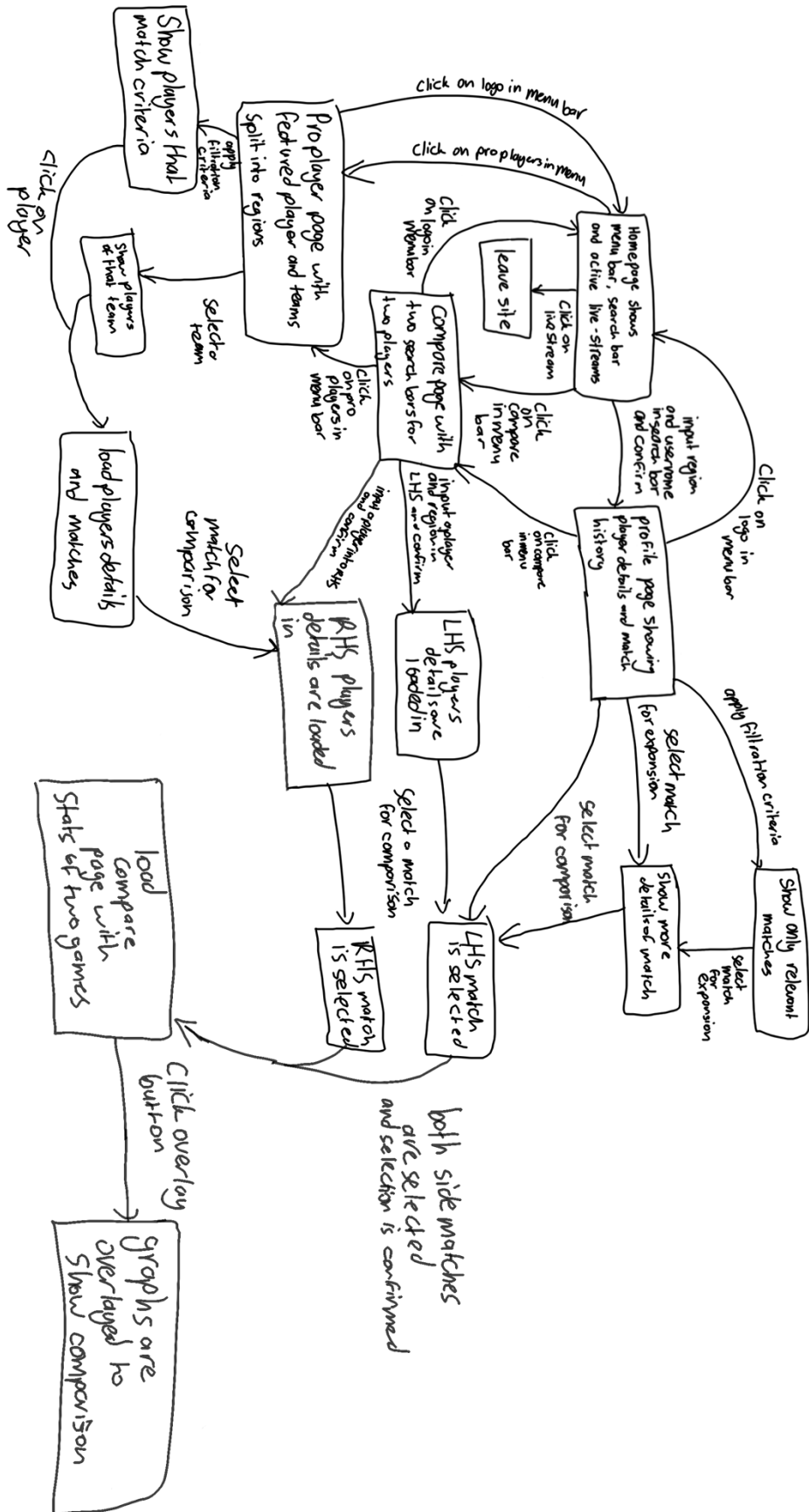
WHEN I input my own username and region,

AND select a recent match from my history,

THEN the details of each match should be compared.

Low-Fidelity Prototype

Storyboard Interactions Graph



UI Component Sketches

Hand-drawn wireframe of a website header. The layout includes a main title 'Home Page' at the top left. Below it, on the left, is a 'Logo' placeholder, and on the right is a title 'Comparison Pro-Players'. In the center, there is a 'Search Bar' with a 'Submit' button to its right. Below the search bar is a 'region select' dropdown menu. At the bottom left is a 'Live Stream' box, which contains the text 'Live Stream (channel)' and 'Live stream description'.

The wireframe shows a 'Player Profile' page. At the top, there's a title 'Player Profile' and a subtitle 'comparison pro players' with a search bar. The main content area is divided into a 'Profile Picture' box, 'Player Name', and 'Player Rank'. Below this is a 'Matches' section with a table of player stats and a 'Filter' section with a 'compare' button. The footer has a 'show less' button.

Player Profile
comparison pro players

Profile Picture
Player Name
Player Rank

Matches

<input type="checkbox"/>	team name	stats	stats opponent	<input type="checkbox"/>
<input type="checkbox"/>	team name	stats	stats opponent	<input type="checkbox"/>
<input type="checkbox"/>	team name	stats	stats opponent	<input type="checkbox"/>

show less

Filter
compare

Pro Players

Logo comparisons pro players Filter

Player of the Month

Region 1

TEAM 1 TEAM 2 TEAM 3 TEAM 4 TEAM 5

Region 2

Pro Players

Logo

companion app

Filter

Player of the Month

Region 2

Player 1

profile

Player 2

profile

Player 3

profile

TEAM 3

Player Profile

Logo

comparision [see player](#)

Profile Picture

Player Name

Player Rank

Matches

<input type="checkbox"/>	~~~~~	Show more	compare
<input type="checkbox"/>	~~~~~	Show more	

Filter

[compare](#)

☐ ~~~~~ [Show more](#)

Player Profile

comparison pro players

Profile Picture

Player Name

Player Rank

Filter

Champion

Role

Matches

<input type="checkbox"/>	~~~~~	~~~~~	Compare
<input type="checkbox"/>	~~~~~	~~~~~	

The diagram illustrates a comparison tool for Pro Players. It features a main title "Pro Players" at the top. Below the title, there are two input fields: "Logo" and "comparison pro players". The "Logo" field is represented by a square box. The "comparison pro players" field is represented by a rectangular box. Below these fields, there is a label "Player of the Month". To the right of this label, there is a "Filter" button. Below the "Player of the Month" label, there are two input fields: "Region" and "Role". Each of these fields has a dropdown menu icon (a small square with a diagonal line) next to it. At the bottom of the diagram, there is a section labeled "Region 1" with five empty square boxes below it.

Comparison

Logo

comparison for players

Player 1 Name

Player 1 Role

Game 1 select

Game 2 select

Game 3 select

Game 4 select

search bar

region

Comparison

Label comparison for players


Player 1 name	Player 2 name
Player 1 role	Player 2 role
Game 1 select	Game 1 select
Game 2 select	Game 2 select
Game 3 select	Game 3 select
Game 4 select	Game 4 select


Comparison

Layer comparison for

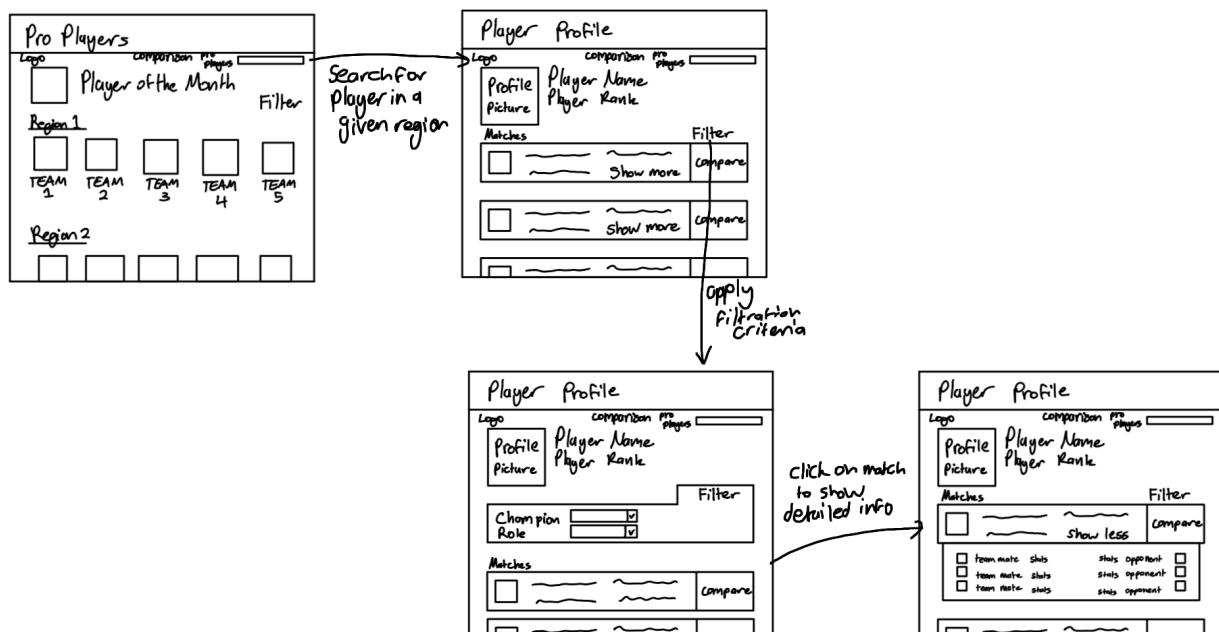
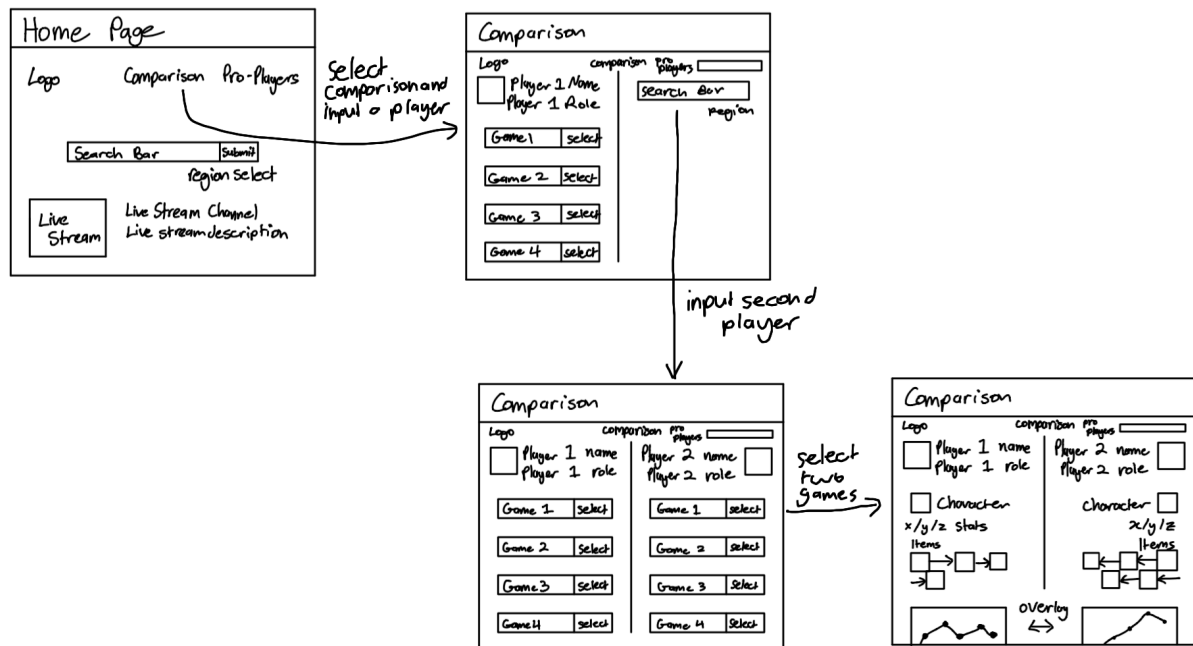
Player 1 name Player 1 role	Player 2 name Player 2 role
<input type="checkbox"/> Character x/y/z stats Items <input type="checkbox"/> → <input type="checkbox"/> → <input type="checkbox"/>	<input type="checkbox"/> Character x/y/z Items <input type="checkbox"/> ← <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ← <input type="checkbox"/>

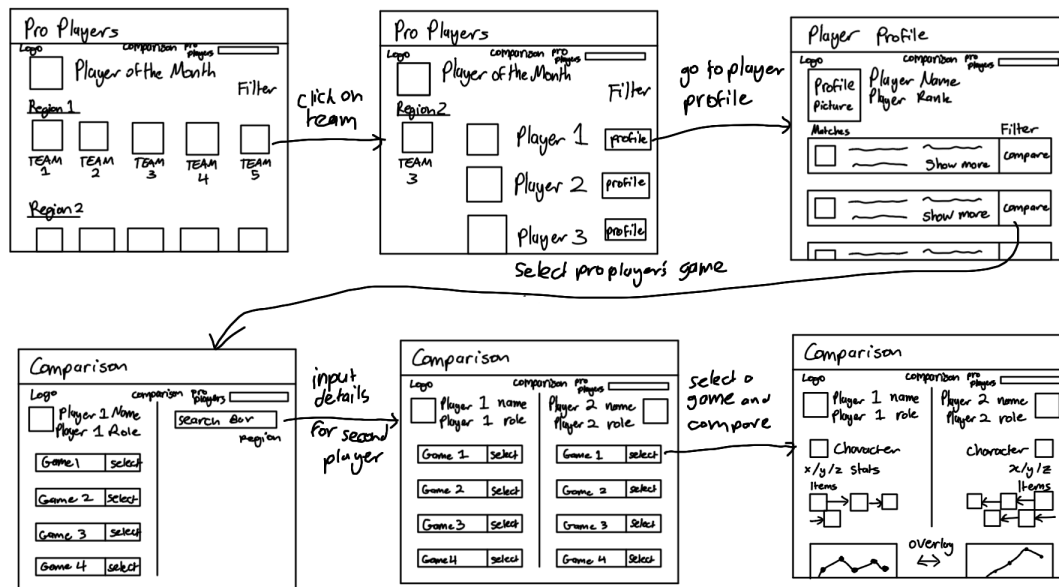
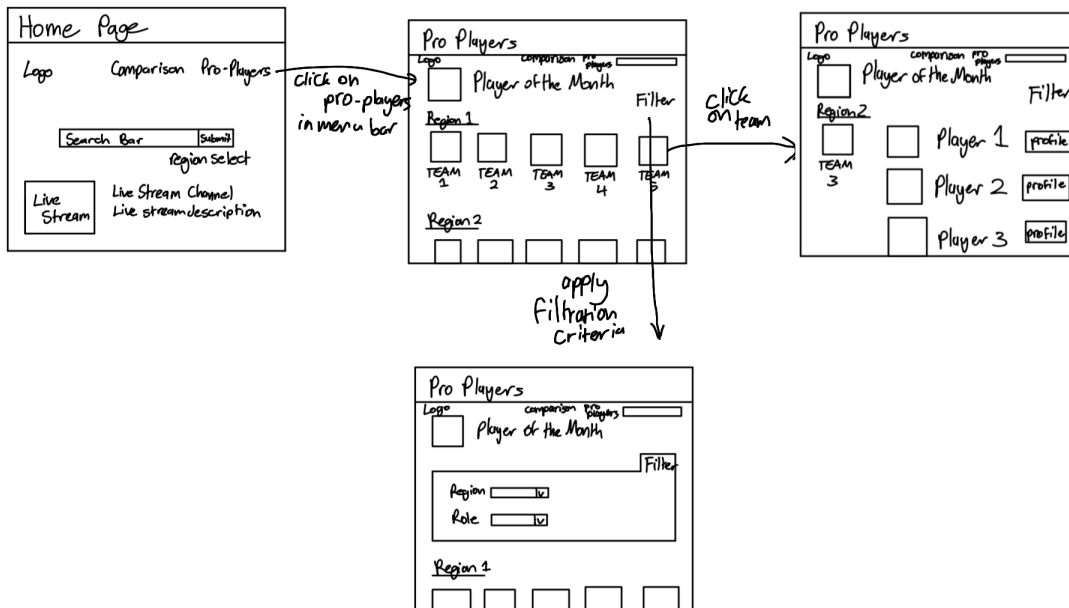
overlay
↔





Storyboard Interactions + UI Component Sketches





High-Fidelity Prototype

The high-fidelity prototype can be found in the GitHub repository's root directory and can be accessed by opening 'index.html' in a desktop web-browser of choice.