

Proposal overview

Problem We Are Trying to Solve:

Players often have trouble finding accessible and easy information about Overwatch 2 Heros, their abilities, and stats. New players mostly struggle to understand what every agent does. This will provide interactive access to detailed hero data, helping players make informed choices about their gameplay.

Why Are We Doing This?

To develop a user-friendly web that simplifies the process of accessing information about Overwatch 2 heroes. It will have interactive access to detailed hero data, helping players make informed choices about their game.

Who Is the Audience?

Overwatch 2 players, both casual and competitive, who need quick access to hero data and stats without having to log in their gaming platform.

List of Major Functions

1. Fetch Hero Data:

- OverFast API to retrieve hero data such as names, abilities, roles, and stats.
- Display data dynamically in an organized way.

2. Search for Heroes:

- Allow users to search for heroes by name or role.
- Filter heroes by the role they have (Tank, Damage, Support).

3. Hero Details Page:

- When selecting a hero, show detailed stats like abilities and other characteristics
- Include hero images and possibly interactive animations for abilities.

4. CSS Animation for Hero Abilities:

- When selecting a hero or hovering over abilities, they also display smooth transitions or animations that highlight the hero's abilities

5. Responsive Design:

- Ensure the app is mobile-friendly by implementing a responsive layout for both mobile and desktop views

6. Hero Details Tooltip:

- A quick overview of hero abilities and stats without needing to load a separate page

7. Hero Filter by Role (Dropdown Menu):

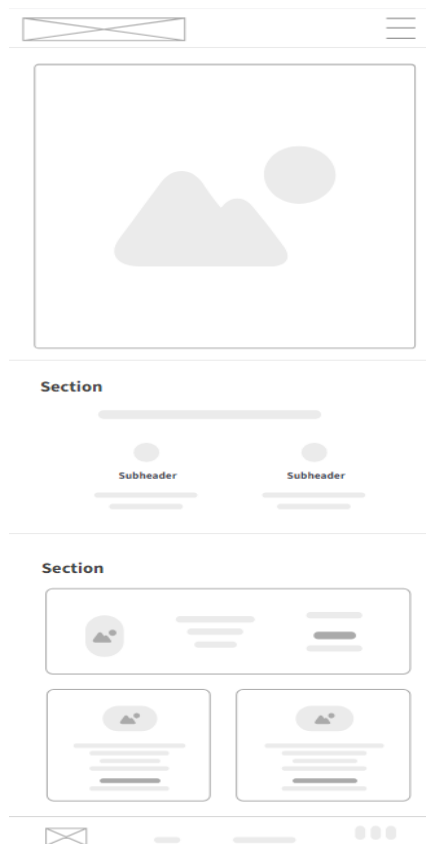
- Quickly find heroes that match their preferred role.

8. Highlighting Active Role:

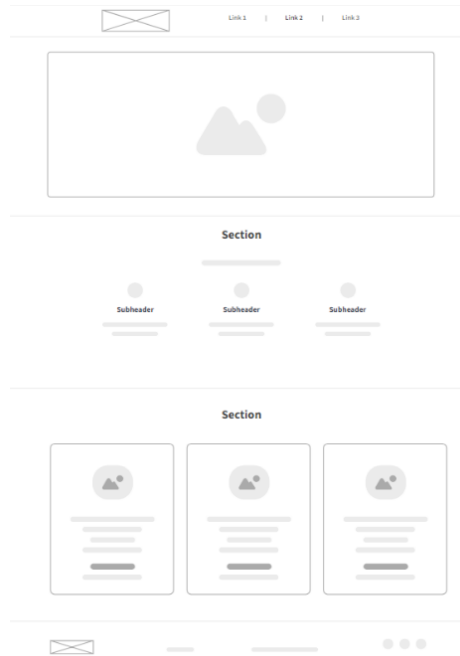
- This will highlight the hero cards that match the selected role

Wireframes

- **Mobile Wireframe:**



- **Desktop Wireframe:**



External API Data Source(s)




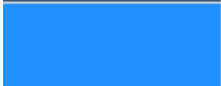
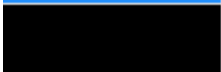
- **OverFast API:**
 - API documentation: <https://overfast-api.tekrop.fr/>

Initial Module List

1. **HeroModule.js:**
 - Handles fetching data from the OverFast API and displays the list of heroes.
2. **HeroDetailModule.js:**
 - Displays detailed information about each hero when clicked.
3. **SearchModule.js:**
 - Filters the heroes based on search input or selected role.
4. **App.js:**
 - Initialize modules and managing routing if necessary.

Colors/Typography/Specific Element Styling

- **Colors:**

Color	Hex	RGB
	#f99e1a	(249,158,26)
	#43484c	(67,72,76)
	#405275	(64,82,117)
	#218ffe	(33,143,254)
	#000000	(0,0,0)

- **Typography:**

- Font family: "Roboto", sans-serif
- Bold for hero names and stats, lighter weight for descriptions.

- **Element Styling:**

- Cards for each hero will round corners and soft shadows.
- Buttons will have hover effects.
- Modal windows for hero details with smooth animations.

Schedule

Week 5:

- Research and familiarize myself with the OverFast API.
- Set up the project and basic HTML structure.
- Fetch hero data and display basic information (name, role).

Week 6:

- Implement search functionality to filter heroes by role or name.
- Design the layout with basic CSS and include a simple hero detail modal.
- Fetch and display hero abilities and stats in the modal.

Week 7:

- Finalize CSS styling, ensuring responsiveness for mobile and desktop.
- Add CSS animations for transitions in the hero modal.
- Test the app thoroughly and deploy.

Trello Board Link

- <https://trello.com/b/jgS7XolA/final-project>