User Manual: Valorant Tracker

Valorant Tracker is the ultimate tool for players looking to elevate their game to the next level. Through detailed in-game performance tracking, comprehensive match statistics, and insights into strengths and areas for improvements, years can fine-tune their skills in order to enhance their strategies, and rise through the ranks in Valorant. Whether you're just a casual player, or someone looking to become a dedicated competitor, Valorant Tracker delivers valuable insights in order to help you perform at your best.

Deployment & Installation

1. System Requirements

   Hardware Requirements
   a. CPU: Dual-core processor or higher
   b. RAM: Minimum 4 GB (8 GB Recommended)
   c. Storage: At least 1 GB free space

   Software Requirements
   a. Operating System: Windows, macOS, or Linux
   b. Node.js: Version 16.x or higher
   c. Npm: Version 7.x or higher (comes with Node.js)
   d. Git: Latest version

2. Pre-requisites

   Ensure the following are installed on your system:
   a. Node.js: Download and install Node.js from here.
   b. Git: Download and install Git from here.

3. Cloning the Repository
   a. Open a terminal or command prompt.
   b. Clone the Valorant Tracker repository using the following command:
      git clone https://github.com/pinosjpp/valorant-tracker.git
   c. Navigate to the project directory:
      cd valorant-tracker

4. Installing Dependencies
   a. Install the required Node.js dependencies through the following command:
      npm install

5. Setting up Environment Variables
   a. In the root of the server directory, create a .env file through the following command:
      touch .env
   b. Add the following variables: Use the following websites in order to get the api key needed to run the application.
      Note: The Riot API Key expires after 24 hours and needs to be refreshed. The API Key for the database is only available for authorized users of the application, in this case, specifically team members only.
      RIOT_API_KEY = <your-riot-api-key>:
      https://developer.riotgames.com/
      HENRIK_API_KEY = <your-henrik-api-key>
      https://github.com/Henrik-3/unofficial-valorant-api
      REACT_APP_FIREBASE_API_KEY = <your-firebase-api-key>
      https://firebase.google.com/

6. Running the Application
   a. Start the server using the following command:
      npm start

7. Accessing the Application
   a. Open your browser and navigate to http://localhost:3000 to start using the Valorant Tracker application

Main Features

1. User Match History

The system provides a detailed record of your recent matches, allowing you to help analyze your performance. As a user, you'll be able to pinpoint patterns in your gameplay, recognize your strengths as well as your shortcomings, and identify the areas in which you can improve.

What's included for each match:
- Map: where the match took place.
- Mode: the game mode that was played. (Unrated, Competitive, Spike Rush)
- Kills, Deaths, Assists (K/D/A): your in-game stats for the match.
- KDR (Kill/Death Ratio): a calculated metric to understand your efficiency in combat.

2. MMR (Matchmaking Rating) Tracker

The system trackers your MMR progression, showing how your rank evolves and changes based on your most recent 10 games. As a user, you'll be able to understand how your gameplay impacts your rank progression, and gain insight into what you need to focus on in order to climb up the ranks in Valorant.

- View the exact MMR changes after each match..
- Observe trends to see if you're improving, maintaining, or declining.

3. Map Listings

Explore the available maps in Valorant through a visually appealing, user-friendly interface. As a user, you'll be able to familiarize yourself with the maps to strategize better during your matches. As a user, you're given the opportunity to learn specific map callouts, choke points, as well as optimal positions.

- Displays all game maps.
- Organized for easy browsing.

4. Settings Page

The system tailors your experience by allowing you to manage your account with an easy-to-navigate settings page. As a user, you'll be able to control your account and keep it aligned with your Riot Games credentials, ensuring a secure and personalized experience.

Options available:

- Change Password: Secure your account by updating your password regularly.
- Logout: Sign out of your session to keep your account safe.
- Delete Account Data: Permanently remove your account information if needed.
- Update Riot Username: Ensure your Riot username is up-to-date for accurate tracking.
- Update Riot Tagline: Update your tagline to keep it in sync with your Riot account.

5. Getting Started

Follow these steps to begin using Valorant Tracker:

1. Signup / Log in using your Riot credentials.
2. Navigate to the Match History tab to view your past game and statistics.
3. Check your MMR progression in order to see how your recent games have affected your rank.
4. Browse the Maps section to get acquainted with all available maps.
5. Customize your experience in the Settings tab.

Walkthroughs

## Main Scenario: Reviewing Match History and MMR Progression

1. Sign Up / Login
   a. Open the application and sign up / login with your Riot Games credentials.
2. Navigate to Match History
   a. On your home screen, click the "Profile" tab.
   b. Here, you'll see a list of your recent matches.
3. Analyze a Match
   a. Look at a specific match to see:
      i. The map and mode played.
      ii. Your K/D/A and KDR.
      iii. Player details
4. View MMR Progression
   a. Observe how your rank has changed over your most recent 10 games.
   b. Use this information to identify trends in your performance.
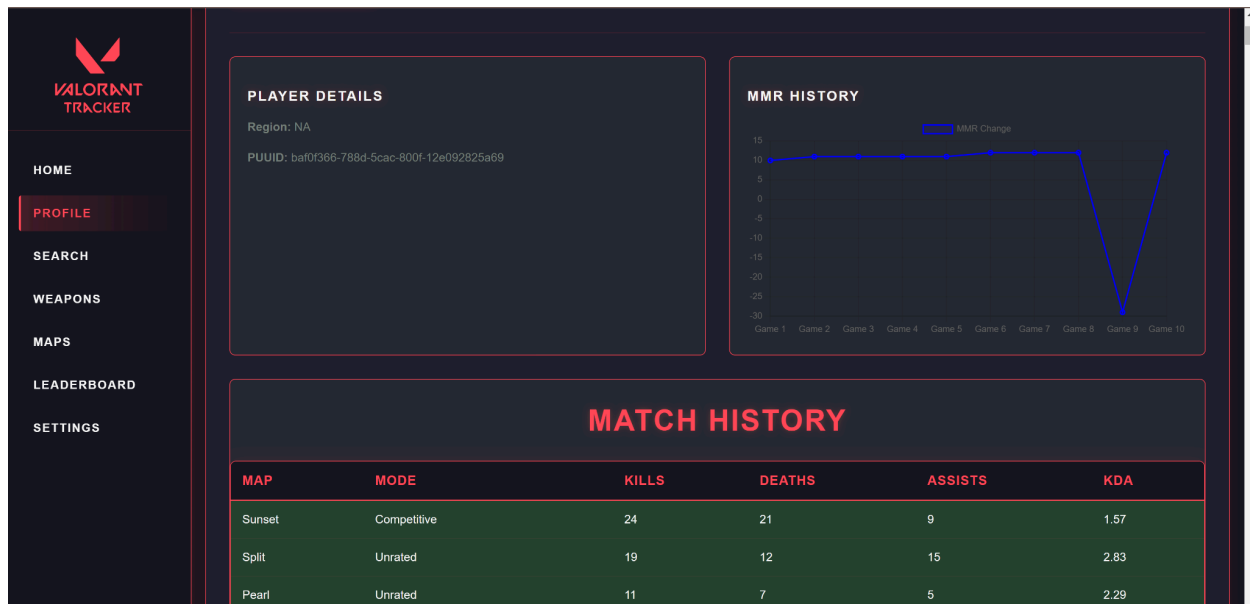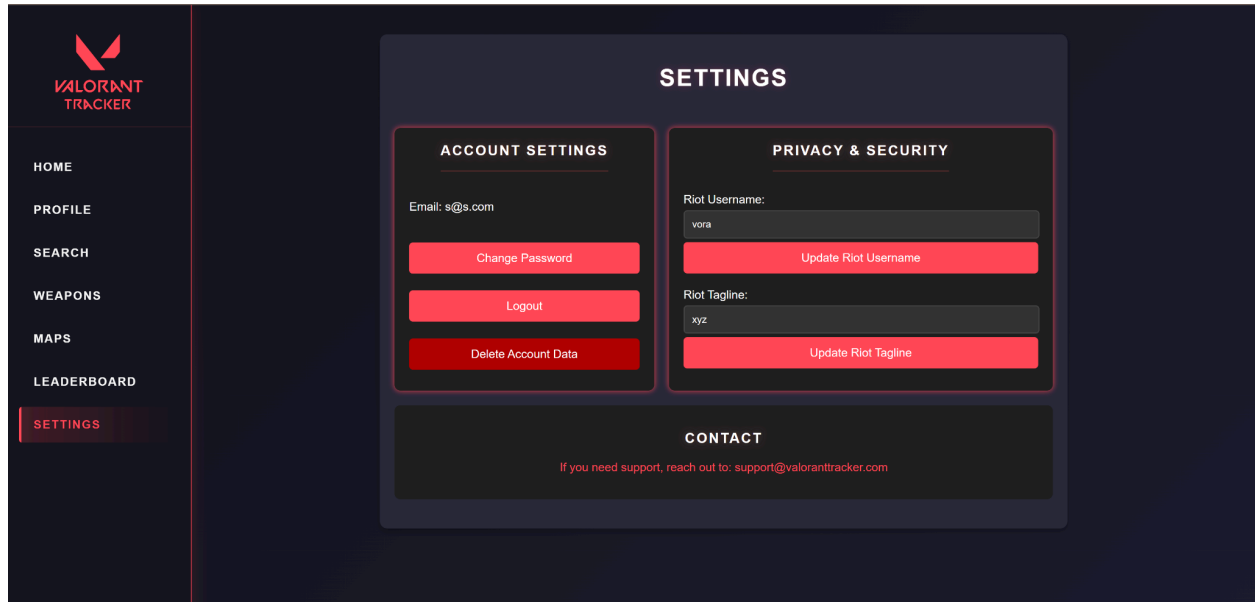

Alternative Scenario 1: Exploring Map Information

1. Access the Map Section
   a. From the main navigation menu, select the "Maps" tab.
2. Browse Maps
   a. Explore the available maps displayed in a visually engaging layout.

b. Click on a specific map to view details or tips for improving your gameplay on that map.
3. Strategize
   a. Use your map information to identify choke points, key positions, and optimal strategies for each map.
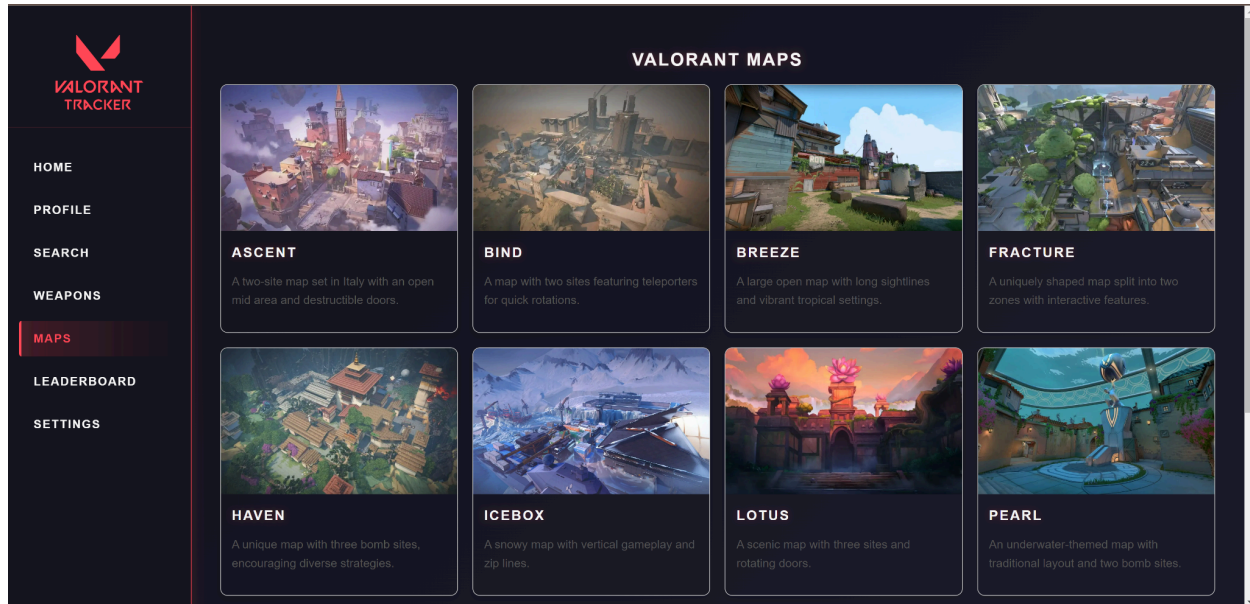
Alternative Scenario 2: Managing Account Settings

1. Login
   a. You must be logged in to access the settings page.
2. Open Settings
   a. On the main navigation menu, click the "Settings" tab.
3. Update Account Information
   a. Change your password by entering the new password and confirming it.
   b. Update Riot Username or Tagline to keep your in-game data synced.
4. Delete Account Data (Optional)
   a. If you wish to delete all your account information, click "Delete Account Data."
   b. Confirm the action when prompted.
5. Logout
   a. Click "Logout" to end your session securely.

Alternative Scenario 3: Search Functionality

1. Access the Search settings
   a. On the main navigation menu, click the "Search" tab
2. Choose between a player search, or esports search
   a. The user is able to search for both user accounts from RIOT, as well as the existing Esports teams.
3. Input the information required from the form, whether it be the Riot Username and Tagline, or the Esports team name.
4. Look at the search results to see:
   a. Player Search
   b. Esports Search
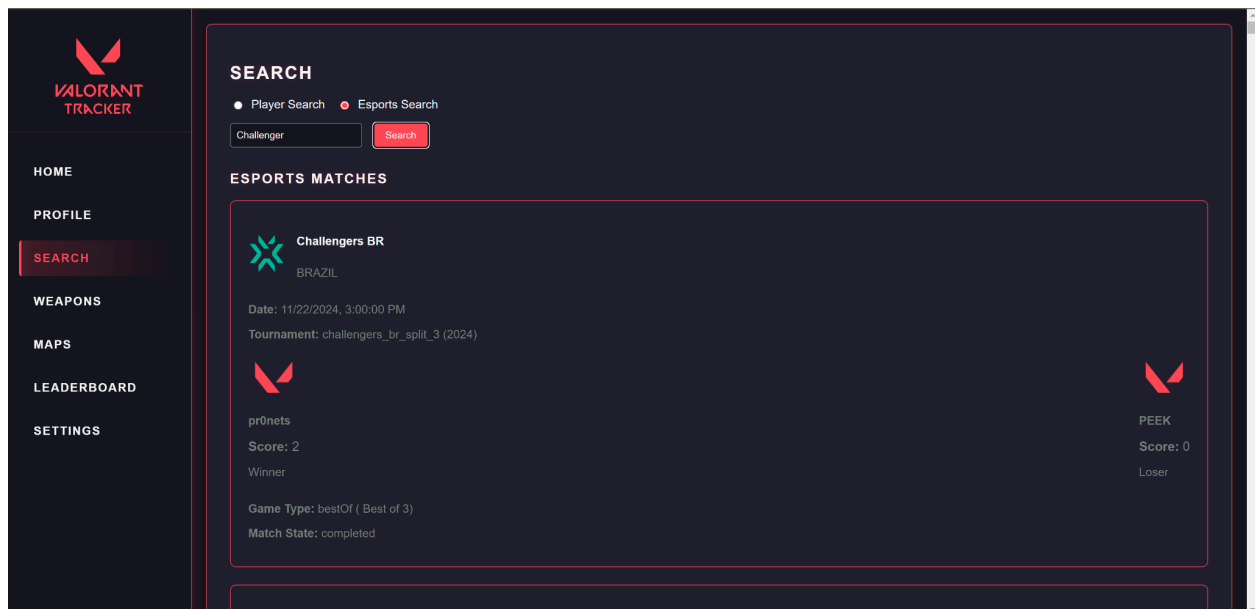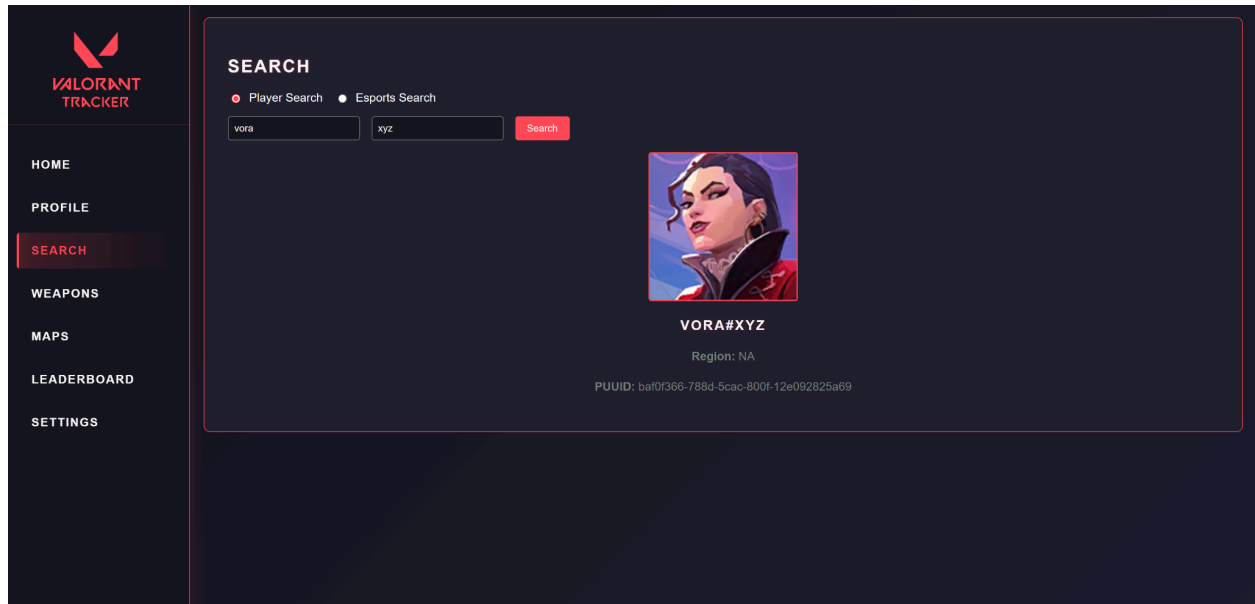
Alternative Scenario 4: Exploring Agents Information

1. Access the Agent Section
   a. From the main navigation menu, select the "Agents" tab.
2. Browse Agents
   a. Explore the available agents displays in a visually engaging layout.
   b. Hover over a specific agent to view details about the agent.
3. Strategize
   a. Use information about the agent to decide the skills they have that can best improve your gameplay.

HOME

PROFILE

SEARCH

MAPS

AGENTS

LEADERBOARD

SETTINGS

VALORANT AGENTS