

PRE-PAIR USER MANUAL

Who are We?

As the "preXplore Team", we are a group of passionate software engineering university students who aim to create a platform that provides an infrastructure for matching gamers with each other and to create a clean gaming/communication space devoid of toxicity.

preXplore Team Members

- Ali Zekai Deveci
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- Münib Akar

What is Our Vision?

For gamers seeking a positive, toxicity-free gaming experience, whose challenge lies in finding compatible gaming partners and a healthy communication environment, the Pre- Pair is an innovative gaming platform that fosters meaningful connections and ensures a non-toxic playing and communication space.

HOW TO DEPLOY OUR SYSTEM

1. Domain and Hosting:

- Purchase a domain name from a domain registrar.
- Choose a hosting provider that supports Python and Flask applications. Platforms like Heroku, Google Cloud Platform (GCP), or AWS Elastic Beanstalk are commonly used for Flask applications.

2. Firebase Setup:

- Our website uses Firebase for authentication, database, or any other services, so you should set up a Firebase project on the Firebase Console (<https://console.firebase.google.com/>).
- Configure Firebase SDK in your Flask application to connect to Firebase services. Install the Firebase Admin SDK for server-side functionalities.

3. Database Configuration:

- Our website uses Firestore, to configure the database rules to secure your data.
- Integrate the Firebase SDK into our Flask app to interact with the database.

4. Static Files and Hosting:

- For better performance, consider hosting static files on Firebase Hosting.

5. Server Configuration for Flask:

- Configure your server to run a WSGI server like Gunicorn (Green Unicorn) to handle Flask application requests.
- Set up environment variables for sensitive information, such as API keys, database credentials, etc.

6. SSL Certificate (Optional):

- For secure communication, consider adding an SSL certificate to enable HTTPS. This is important since our website handles user data and requires authentication.

7. Deployment Script:

- Create a deployment script or configuration files (e.g., `Procfile` for Heroku) to define how the Flask application should be started on the server.

8. Testing:

- Test the Flask application on the server to ensure that it interacts correctly with Firebase services and that all functionalities work as expected.

9. Security Measures:

- Implement security best practices for both Flask and Firebase. Secure Firebase API keys, enforce HTTPS, and follow Flask security recommendations.

10. Monitoring and Logging:

- Set up logging to capture errors and exceptions. You can consider integrating Firebase Analytics for user behavior analysis.

11. Backup:

- Implement regular backups for Firebase data and any server-side data stored by your Flask application.

12. Launch:

- Update DNS settings to point to your hosting provider. Now the website can go live.

★PAGES★

WELCOME PAGE

When the Pre-Pair system is initialized, a welcome page welcomes you.



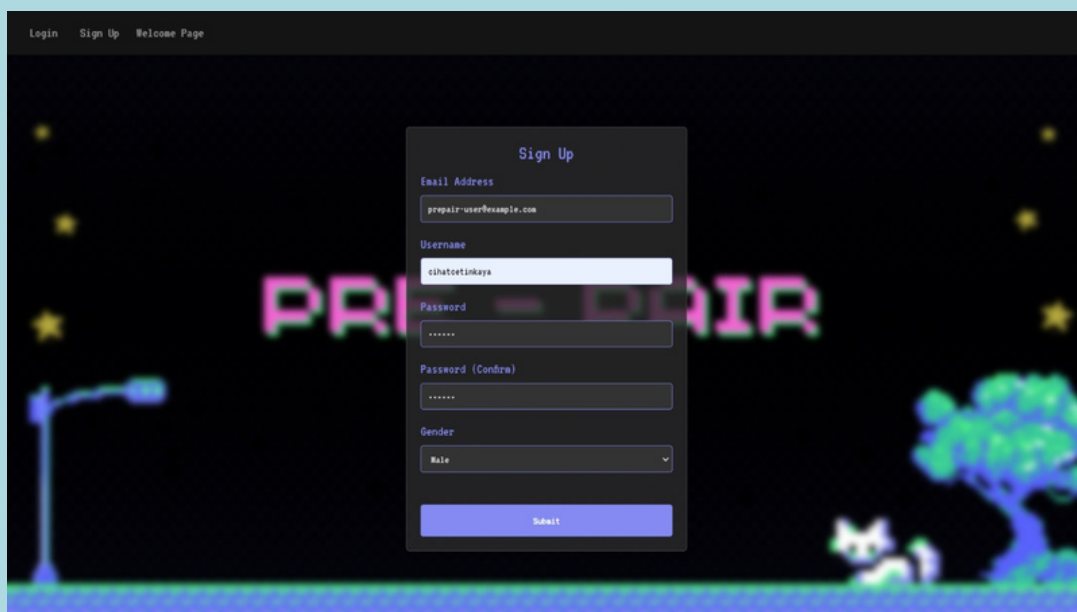
SIGN UP PAGE

When the potential user clicks the Sign-Up button in the top left corner, it directs him/her to a sign-up page. This page requires an Email Address, Username, Password (2 times for confirmation), and Gender from the potential user. After the user provides this information, he/she can log in to the Pre-Pair system.

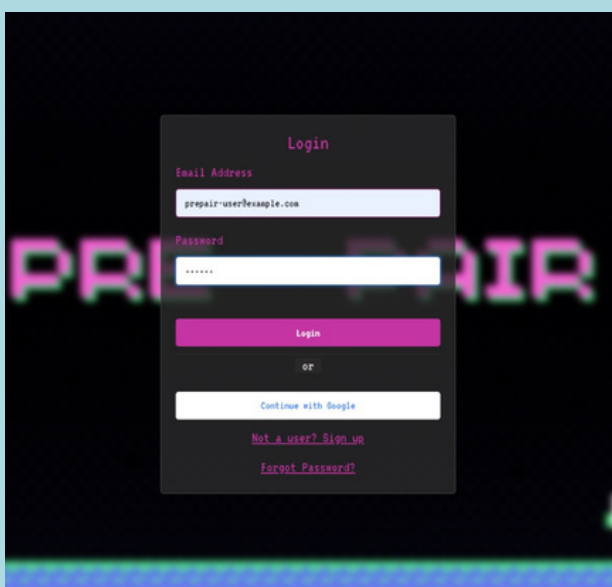
LOGIN PAGE

When you click the Login Page button on the left top corner, it directs you to a login page for login to a user account to use the Pre-Pair system with full functionality.

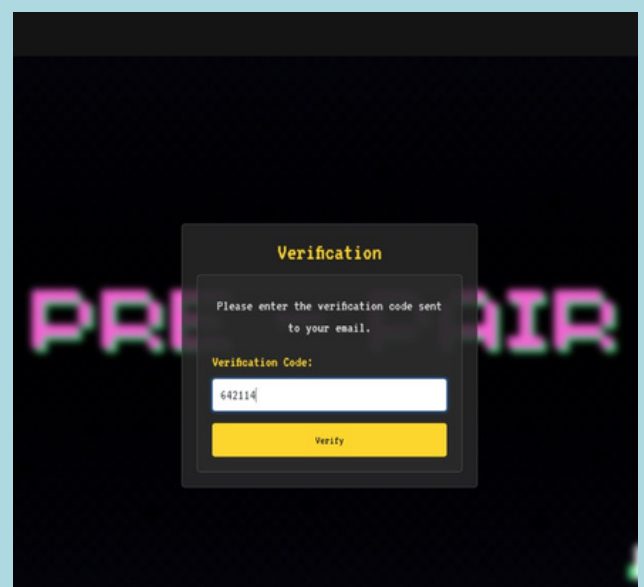
On this page, the user logs in to his/her account by providing a user email and password, or if the user doesn't have an account he/she can create an account by clicking the "Not a user? Sign up" button or login with his/her Google account by clicking the "Continue with Google" button. If the user logs in with an email account and there is an account that matches the provided information, an email with a verification code will be sent to the provided email address and the user will be directed to the Verification Page. After the user enters the verification code, "VOILA!", the user is logged in.



The screenshot shows the 'Sign Up' form on a dark-themed website. The form is titled 'Sign Up' and includes fields for 'Email Address' (prepair-user@example.com), 'Username' (cihatcetinmaka), 'Password' (masked with dots), 'Password (Confirm)' (masked with dots), and 'Gender' (a dropdown menu set to 'Male'). A 'Submit' button is at the bottom. The background features a night scene with a street lamp, a tree, and a cat.



The screenshot shows the 'Login' form on a dark-themed website. The form is titled 'Login' and includes fields for 'Email Address' (prepair-user@example.com) and 'Password' (masked with dots). There is a 'Login' button, an 'or' separator, and a 'Continue with Google' button. At the bottom, there are links for 'Not a user? Sign up' and 'Forgot Password?'. The background features a night scene with a street lamp, a tree, and a cat.



The screenshot shows the 'Verification' form on a dark-themed website. The form is titled 'Verification' and includes a message: 'Please enter the verification code sent to your email.' Below this is a 'Verification Code:' label and a text input field containing '642114'. A 'Verify' button is at the bottom. The background features a night scene with a street lamp, a tree, and a cat.

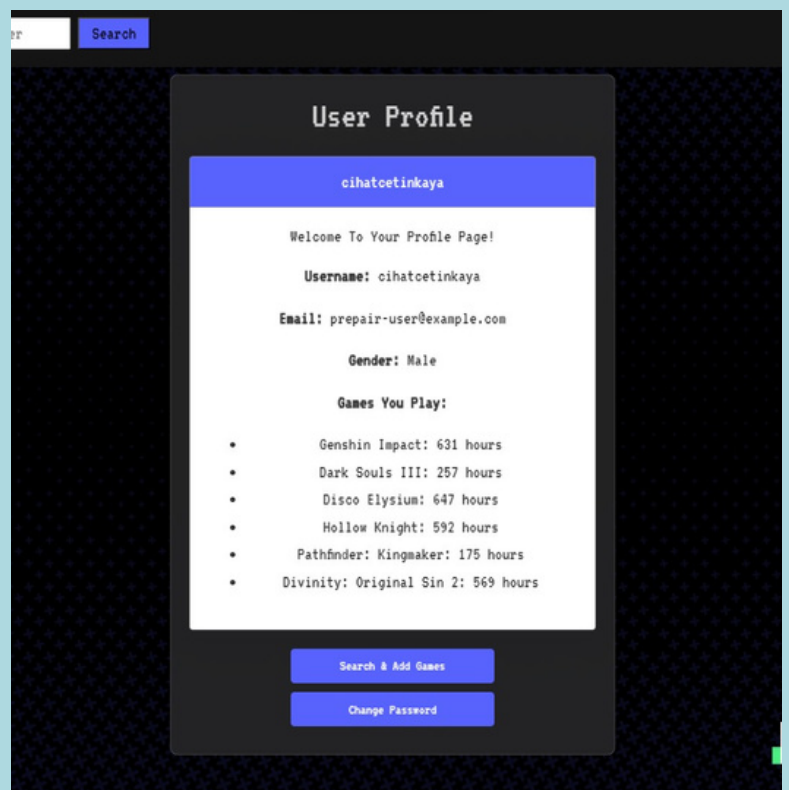
HOME PAGE

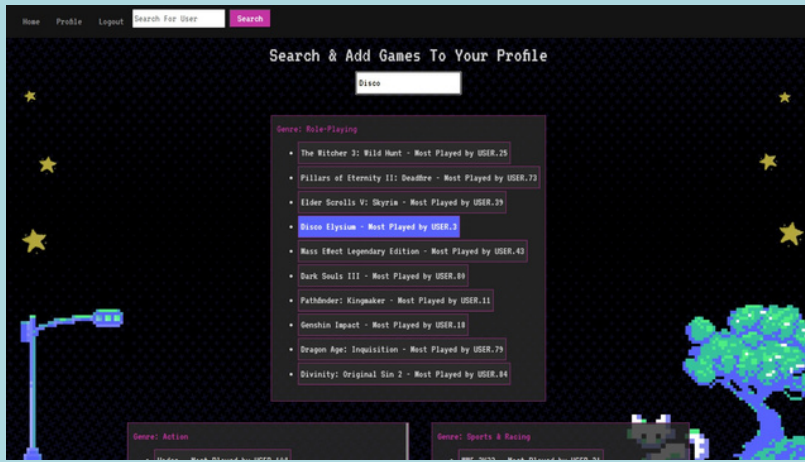
After the login process is confirmed, the user is directed to a specialized Home Page with his/her username. On this page, suggested users are shown to the logged-in user according to joint-played games. When the user clicks on the username, it directs to the profile page of the clicked user.



PROFILE PAGE

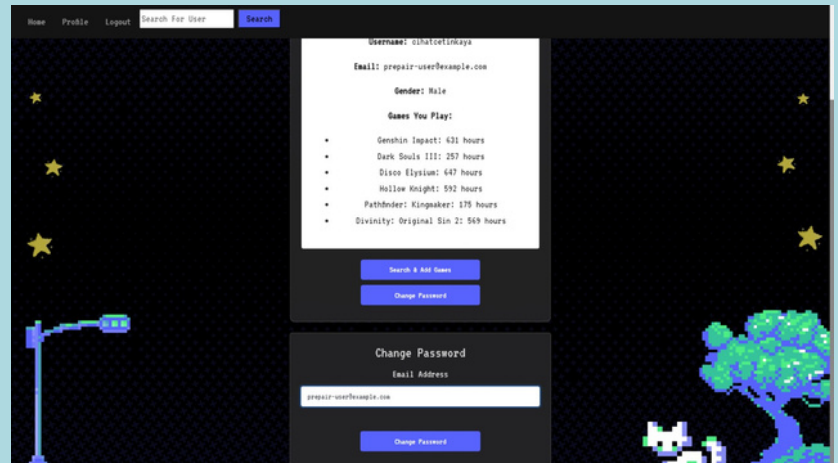
When the user clicks the "Profile" button on the left top corner, it directs the user to a profile page where the user can see his/her information like username, email, gender and games he/she plays, Search & Add Games button and Change Password button. At the beginning, the "Games You Play" part is empty. By clicking the "Search & Add Games" button, the user can see, search, and add different games from different genres to his/her profile after he/she chooses the games and clicks the "Submit Selected Games" button. After this process, selected games have been added under the title of "Games You Play" on the profile page with playing time. Also, if the user wants to change his/her password, the "Change Password" button opens a little box and wants the email whose password will be changed. After the user clicks the "Change Password" button right after he/she enters the email address, a verification email with a link has been sent to the provided email address for security measures. When the user clicks this link, the email updation page opens and requests the new password to update.





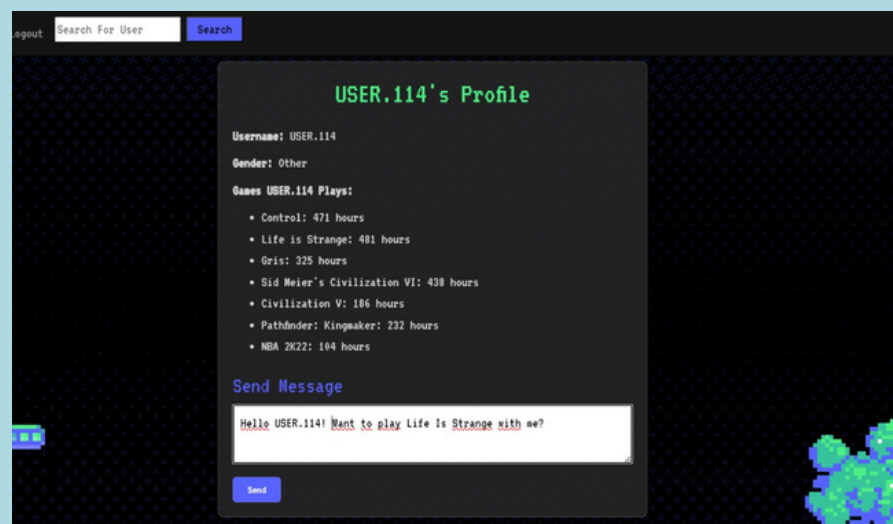
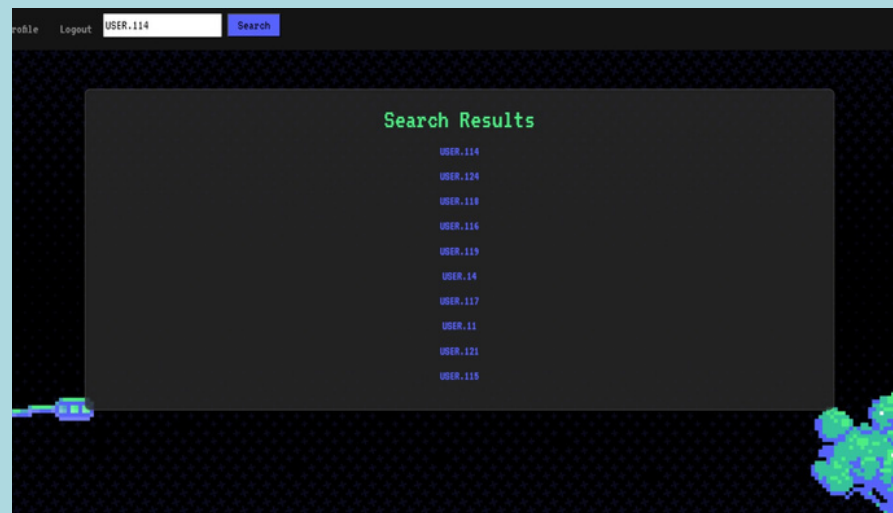
Search & Add Games

Change Password



SEARCH USER

If the user wants to search and check the profiles of other users, the Pre-Pair system provides a search bar on the top left corner that searches players by their username. If the username that entered exists in the system, it shows the user with this username and when clicking on this username, it directs the user to the profile of the searched user. On this page, the user can monitor the username, gender, and played games of the searched user. Also on this page, the user can send a message to the searched user.



LOGOUT

If the user wants to end his/her session, he/she can log out from his/her account by clicking the Logout button on the top left corner.

SCENARIOS

After a tiring work day, the user wants to log in to his/her Pre-Pair account to play games with his/her friends but realizes that he/she doesn't remember his/her password. He/she clicks on the <Forgot My Password> button and creates a new password by 2-factor authentication for his/her account. After he/she logs in to his/her account, sends messages to his/her friends and they have a fun time by playing games.

A potential user wants to use the Pre-Pair system but he/she doesn't want to create an account from scratch. By clicking the <Continue with Google> button, he/she logs in to the Pre-Pair system. The user opens his/her profile page and adds some games by using <Search and Add Games> button. After that, he/she wonders who played the most games that he/she plays. The user enters the profile of the user who plays a specific game most and takes a look at what else that user plays by checking the games that he/she played.

A potential user wants to find a playmate to have a fun time and meets with a system called Pre-Pair and creates an account on the system. After the registration process, he/she logs in to his/her profile and adds games publicly to his profile with playing times to find friends easily. After that, the user searches for his/her friend's username that already has an account on the Pre-Pair system to communicate. After he/she views his/her friend's profile, send a message from the Send a Message box.