

Documentation

Username and Passwords

Username: root

Password: csi3335

Username: webapp

Password: csi3335

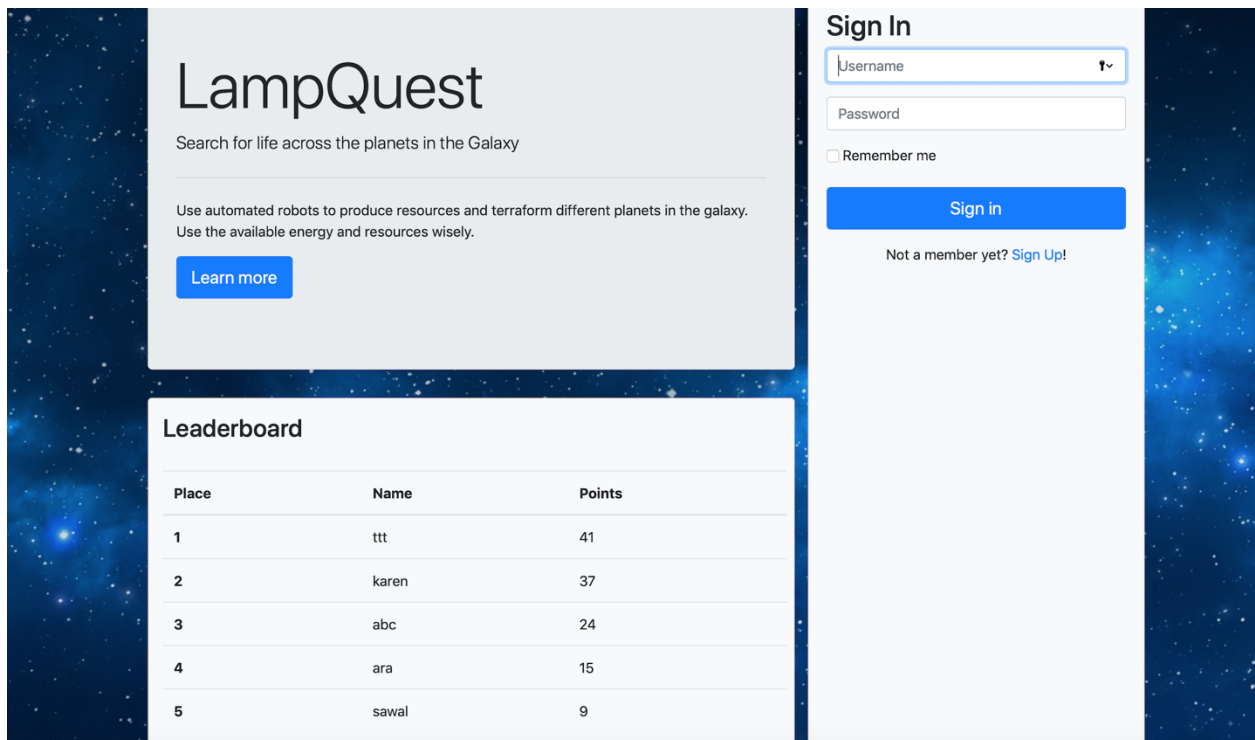
All changes to DB

In the *database-additions.sql* file.

New Features Walk-Through

Leaderboard

On the log-in page we have a leaderboard that shows the top 5 users, ranked according to their points. The points are calculated by taking into account the time taken to complete each planet, the number of completed planets, and the difficulty of each planet.



The screenshot displays the LampQuest index page. The page has a dark blue space-themed background with stars. On the left, the 'LampQuest' logo is prominently displayed, followed by the tagline 'Search for life across the planets in the Galaxy'. Below this, a brief description of the game is provided, and a 'Learn more' button is visible. On the right side, there is a 'Sign In' section with input fields for 'Username' and 'Password', a 'Remember me' checkbox, and a blue 'Sign in' button. Below the sign-in section, a link for 'Not a member yet? Sign Up!' is present. At the bottom of the page, a 'Leaderboard' table lists the top 5 users based on their points.

Place	Name	Points
1	ttt	41
2	karen	37
3	abc	24
4	ara	15
5	sawal	9

Figure 1. Leaderboard on index page

Planet Picker

On the Navigation Bar, we added a new view called “Planets” that allows the user is to pick a desired planet from three columns of possible planets: easy, intermediate, and hard planets.

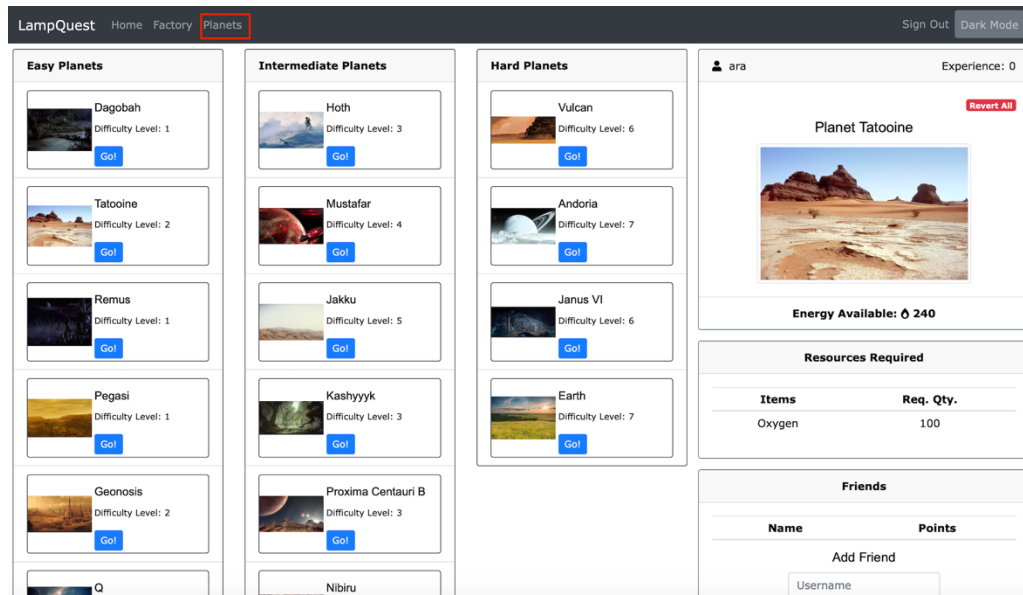


Figure 2. Planet Picker on home page

New Planets

To the Database, we added ten new planets: Remus, Pegasi, Geonosis, Q, Kashyyyk, Proxima Centauri B, Nibiru, Torte, Janus VI, and Earth.

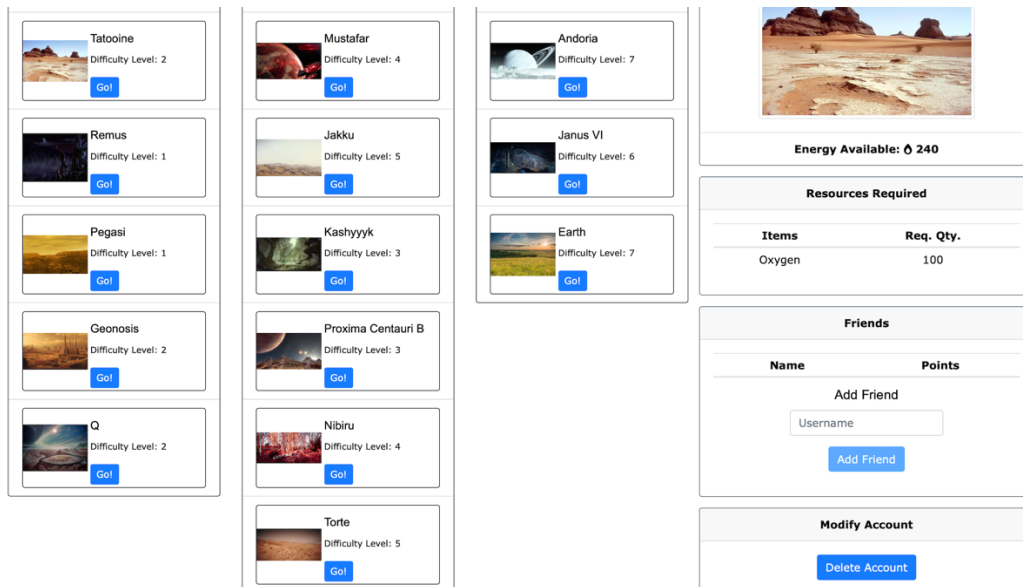


Figure 3. Ten New Planets on Database

New Robots

To the Database, we added ten new robots. Out of those ten robots, five are of type combiner and the other five are of type diffuser. The five new combiners include: Polisher, Vinegarinator, Chicken, Oven, and Lemonator. The five new diffusers include: Sweetener, Grinder, Antidoter, Antisweetener, and Lemon Inverter.

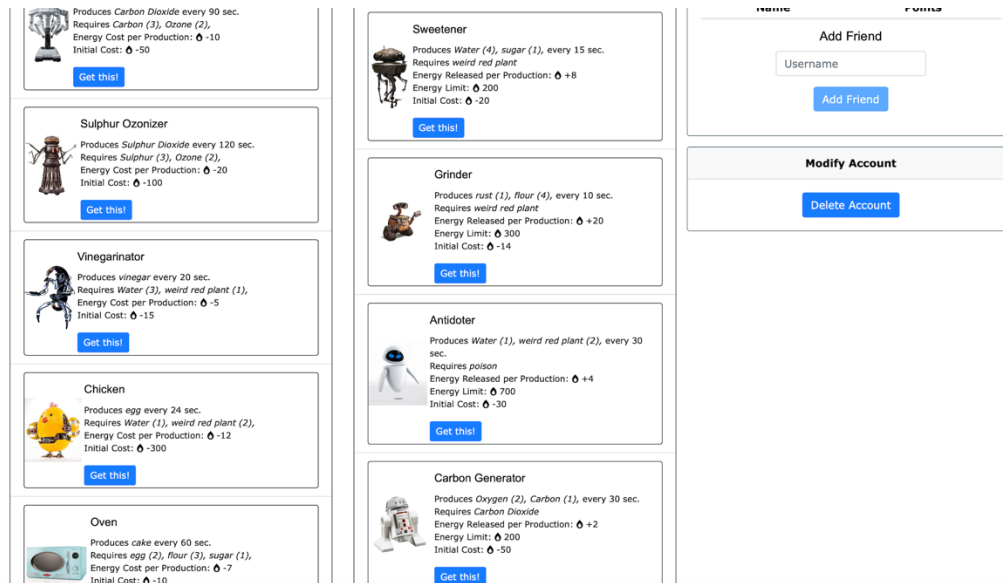


Figure 4. Ten New Robots on Database

New Items

To the Database, we added twelve new items, which include: iron, rust, vinegar, weird red plants, eggs, flour, sugar, cake, poison, dark matter, lemons, and lemonade.

Dark Mode

On the Navigation Bar, at the rightmost section, we added “Dark Mode/Light Mode” button that allows the user to switch their screen from light (white) to dark (blue) mode, and vice versa.

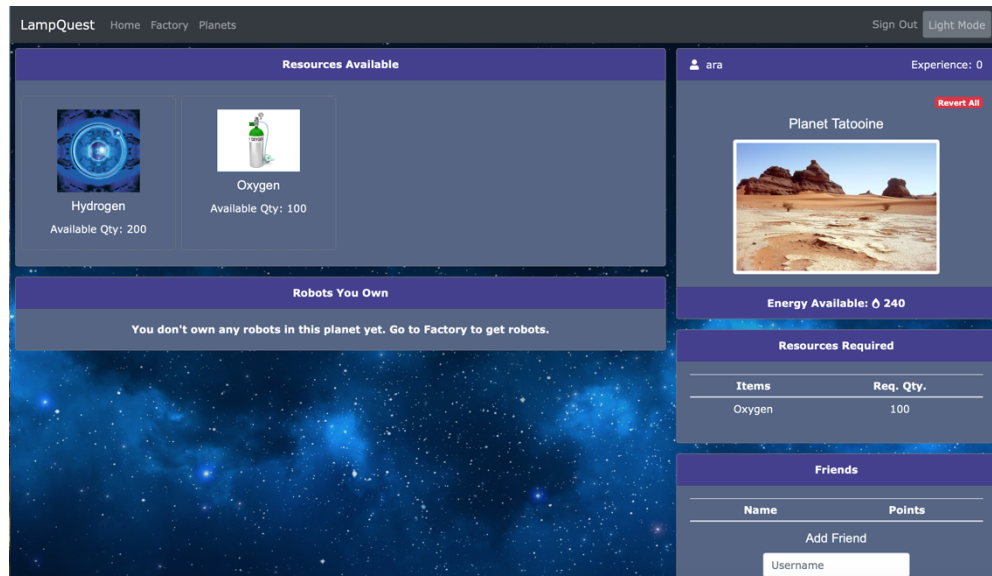


Figure 6. Dark Mode on Navigation Bar

Delete Account

On the home page we added a “Modify Account” panel that features a “Delete Account” button that allows the user to delete their account.

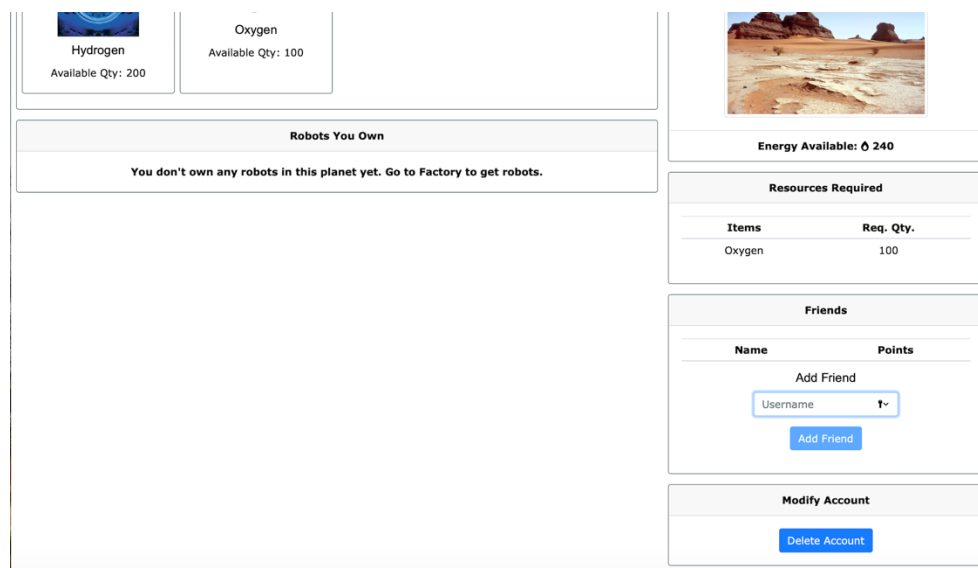


Figure 7. Delete Account button on home page

Friends

On the home page we added a “Friends” panel that allows the user to add friends and to see when these friends are online.

The screenshot displays a user interface for a game or simulation. It features a 'Friends' panel on the right side. The panel is divided into several sections:

- Resources:** Two boxes at the top left show 'Hydrogen' with an 'Available Qty: 200' and 'Oxygen' with an 'Available Qty: 100'.
- Robots You Own:** A section below the resources stating 'You don't own any robots in this planet yet. Go to Factory to get robots.'
- Energy Available:** A box on the right showing 'Energy Available: 240'.
- Resources Required:** A table showing the required resources for a robot.
- Friends:** A section for adding and managing friends.
- Modify Account:** A section for account management.

Items	Req. Qty.
Oxygen	100

Name	Points
Add Friend	
<input type="text" value="Username"/>	<input type="text" value="1"/>
<input type="button" value="Add Friend"/>	

Modify Account	
<input type="button" value="Delete Account"/>	

Figure 8. Friends panel on home page

Online

On the home page we added a “Friends” panel that allows the user to add friends and to see when these friends are online.

Normal Form Analysis of New Table

Friends Table

The table is in 3NF because the dependencies are trivial.