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Puzzle Generator User manual

Team Prometheus

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1 Accessing the website

In order to access the website you can follow the following link: <https://prometheuspuzzles.herokuapp.com/>. From here you will be greeted with our homepage, where you have the options to login or sign up, and read about our website.

2 Website features

2.1 Splash page

The splash page is used as a page where users can sign up or login.

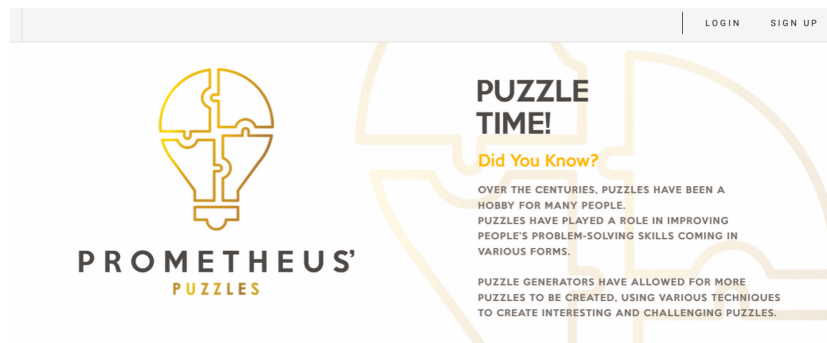


Figure 1: Splash Page - Part 1

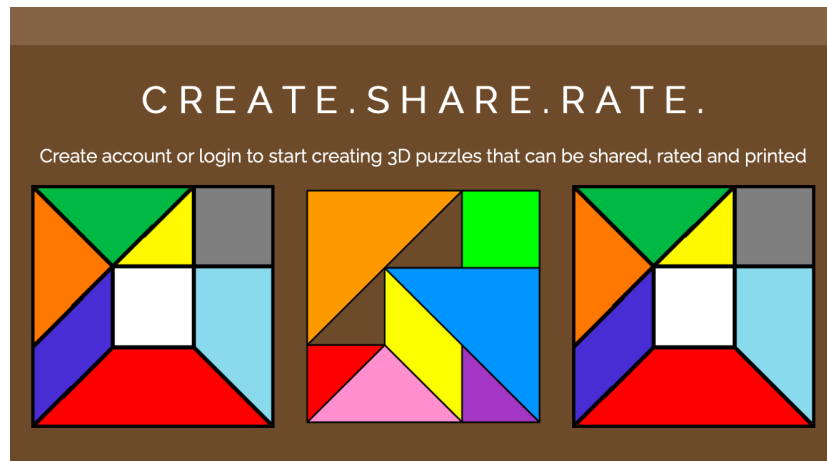
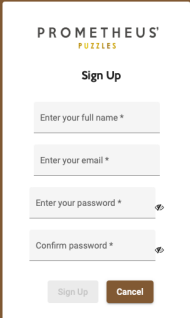


Figure 2: Splash Page - Part 2

2.2 Sign up

The user will be able to click on the sign up button on the splash page where they will be redirected to a sign up form. Once a user has signed up, they can log in using their personal details.

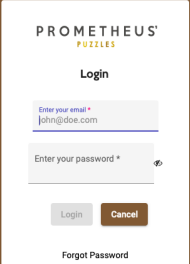


The image shows a 'Sign Up' form for 'PROMETHEUS PUZZLES' centered on a brown background. The form is white with a thin border. It contains the following elements: the app name 'PROMETHEUS' in bold with 'PUZZLES' in smaller text below it; the title 'Sign Up'; four input fields with labels 'Enter your full name *', 'Enter your email *', 'Enter your password *', and 'Confirm password *'; and two buttons at the bottom, 'Sign Up' and 'Cancel'.

Figure 3: Sign Up

2.3 Login

The user can click on the login button on the splash which will redirect them to the login form. Once a user has logged in they can create, rate and view puzzles and also view their own profile page. On the login form the user can change their password if they forgot it.



The image shows a 'Login' form for 'PROMETHEUS PUZZLES' centered on a brown background. The form is white with a thin border. It contains the following elements: the app name 'PROMETHEUS' in bold with 'PUZZLES' in smaller text below it; the title 'Login'; two input fields with labels 'Enter your email *' and 'Enter your password *'; and two buttons at the bottom, 'Login' and 'Cancel'. Below the buttons is a link that says 'Forgot Password'.

Figure 4: Login

2.4 View

The view page shows all created puzzles by users that has been shared. By clicking on a specific puzzle, you can rate or solve the puzzle. At the top of the page there is a search bar to search for specific puzzles. You can use the buttons with the arrows to sort the puzzles based on the different categories.

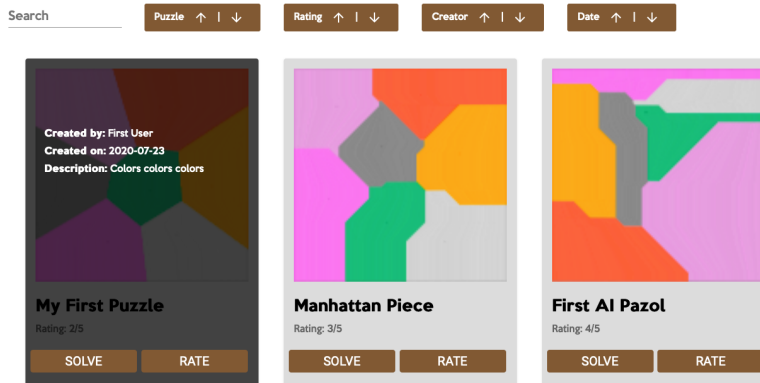


Figure 5: View page with search and sort functionality

2.5 Rate

When a user clicks on the rate button on the view page there will be a popup form where the user can rate other users' puzzles.

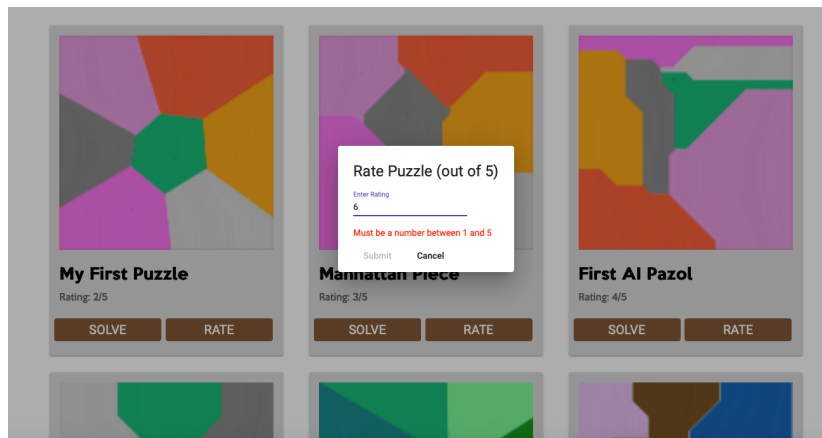


Figure 6: Rate pop-up form

2.6 Create - Manual

A logged in user can go to the create tab and start creating their own puzzle. They will be given a canvas with a square, when clicking on the square and then clicking the generate button the puzzle will be created. They can choose weather to use Euclidean algorithm or Manhattan algorithm. This provides the user with the means to create two different puzzles with the same points. The amount of times the user click on the square, is the amount of pieces the puzzle will have. After clicking generate puzzle the user can choose a colour palette, and name and describe the puzzle. There is a tutorial button on top with a video that will show the user how the page works. Once a user saves a puzzle it will be on their Profile - My Puzzles page.

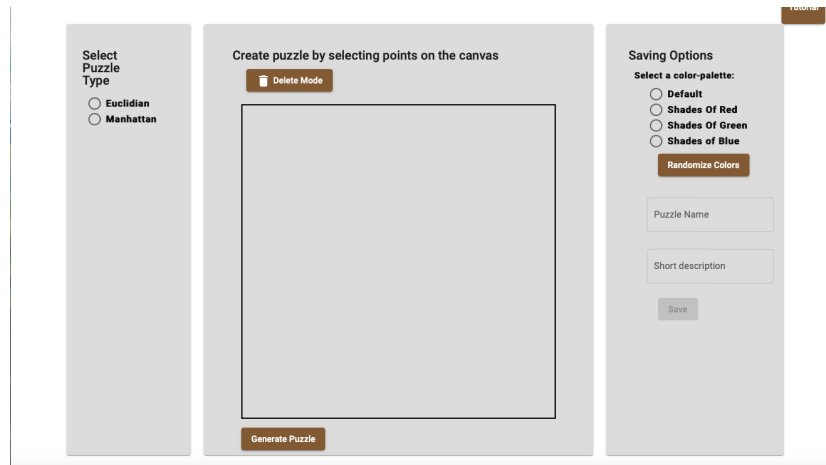


Figure 7: Manual Create page

2.7 Create - AI

A logged in user can go to the create AI tab and start creating their own puzzle. They will have to fill in the algorithm parameters which is divided into 3 sizes. After choosing a puzzle type and clicking next, the user will be presented with sliders. The sliders is to determine the size of the pieces. For instance if a user chooses 4 puzzles of size A and then move the slider to 40, each puzzle piece will be of size 10 (10 percent of the canvas). After clicking generate puzzle the user can choose a colour palette, and name and describe the puzzle. There is also a tutorial button on this page to show the user exactly how to create a puzzle. Once a user saves a puzzle it will be on their Profile - My Puzzles page.

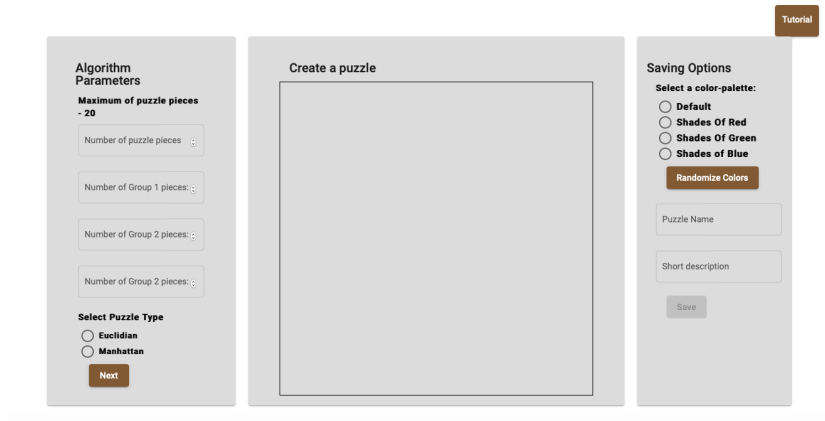


Figure 8: AI Create page

2.8 Tutorial button

The tutorial button is used to show the user a video as to how to create puzzles, either via Manual creation or AI creation. The videos can also be found on YouTube at <https://youtu.be/ZGrQL4I0Jc> (Manual Creation) or <https://youtu.be/kmEGNGGGvHk> (AI Creation).

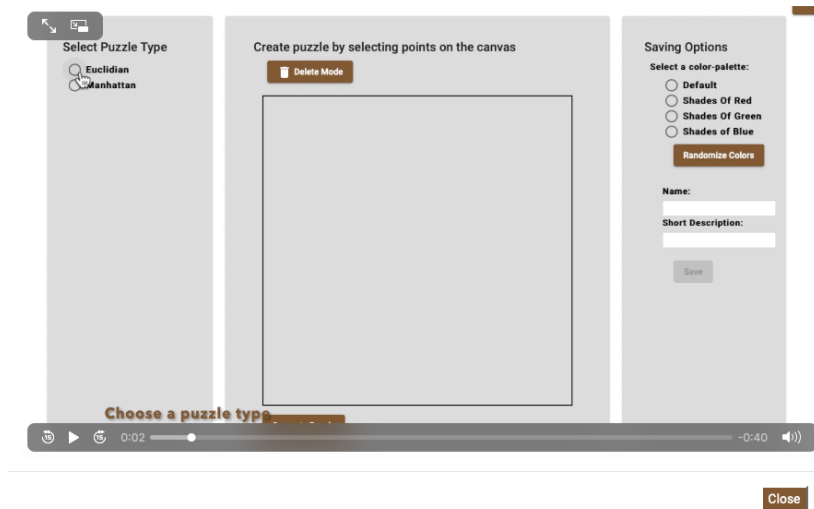


Figure 9: Tutorial Video popup screen

2.9 Profile - Details

The profile details page gives the logged in user the opportunity to update their username and email address.

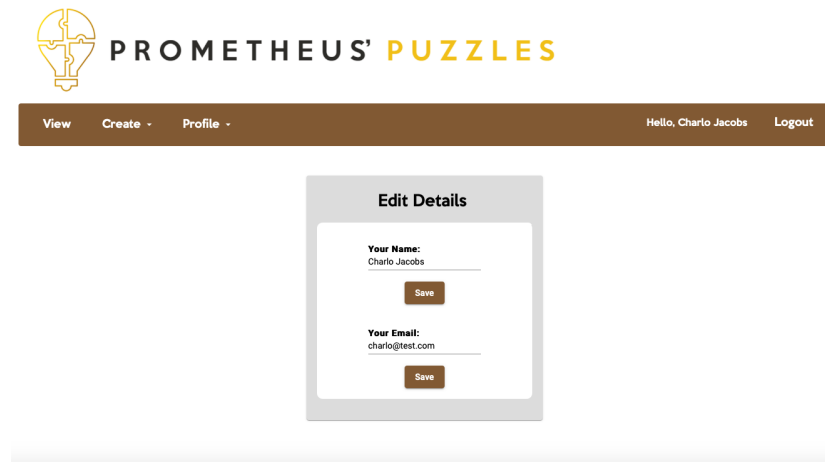


Figure 10: Profile page with details

2.9.1 Profile - Puzzles

The profile puzzles page shows all the puzzles that the user created. From here the user can share or stop sharing a puzzle. Or delete a puzzle if they wish to.

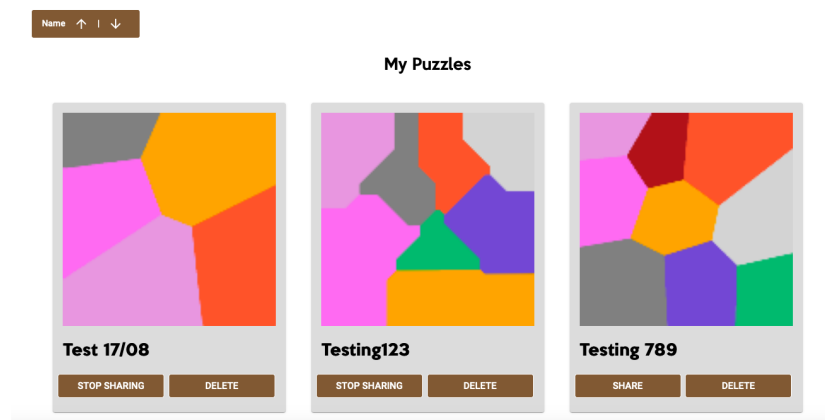


Figure 11: Profile page with own puzzles and share/stop sharing functionality

2.9.2 Profile - Ratings

The profile ratings page shows all the ratings that the user created. Here they can update the ratings that they made or delete a rating.

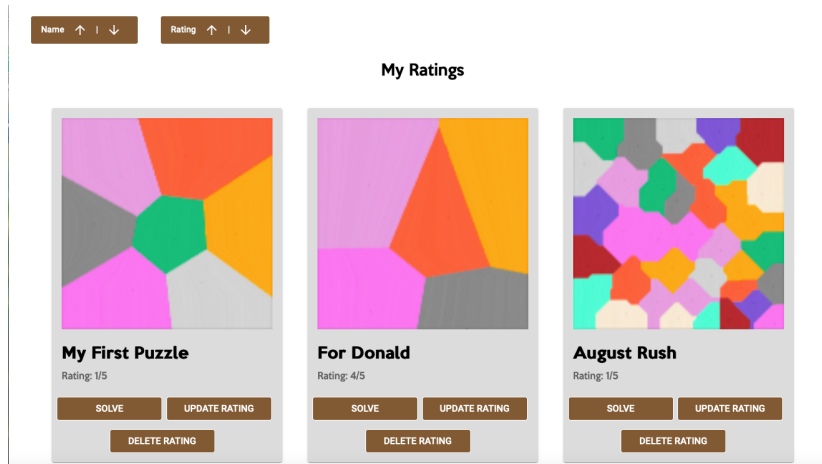


Figure 12: Profile page with own ratings

2.9.3 Mobile Responsiveness

Our website is mobile responsive as can be seen in the images below.

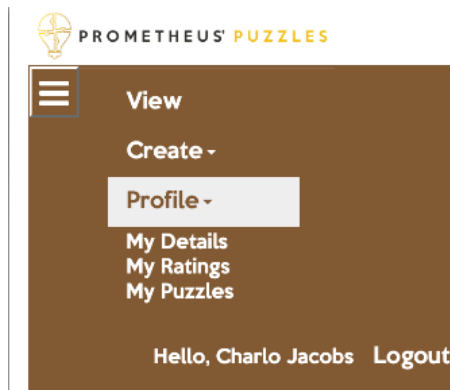


Figure 13: The responsive menu

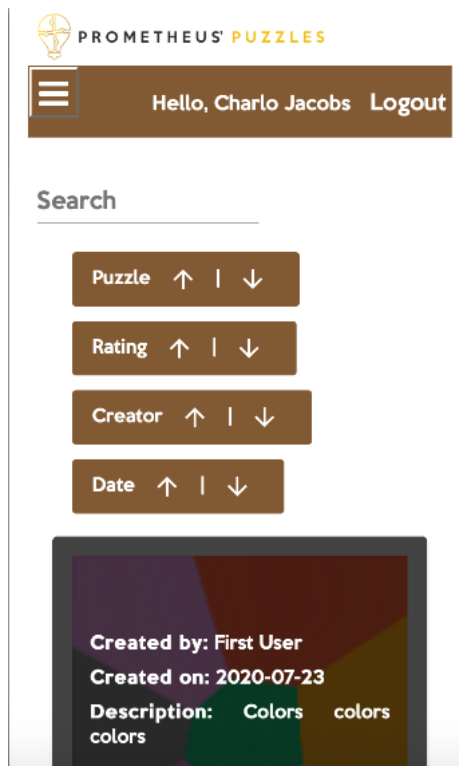


Figure 14: View page on a phone

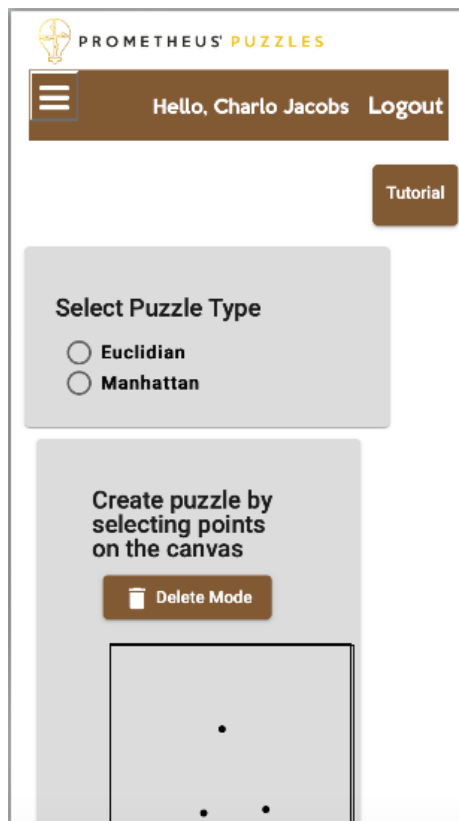


Figure 15: Creation page on a phone