

QUT

# CAB230 - Project

Preferred browser: Firefox

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## Test Plan

Accessing the home screen;

The screenshot shows the Zep! website home screen. At the top, there is a navigation bar with a search bar and buttons for Search, Login, and Register. A location access notification is visible in the top left corner. The main content area features the Zep! logo and two search options: "Search for a specific park" and "Or, Find parks from your current location." The first search option includes fields for Park name (7th Brigade Park), Choose Suburb (Any), and Choose minimum rating (1). The second search option includes a field for Within (kms) (99999). Both search options have a Search button.

Registering as a new user;

Valid - Input

The screenshot shows the Zep! website registration form. The form is titled "Registration" and is located in the center of the page. It contains the following fields: Full Name (new user), Email Address (s@s.com), Username (newUser1), Password (masked with dots), Confirm Password (masked with dots), Postcode (9999), and Date of Birth (2017-05-23). There is a Confirm button at the bottom of the form.

## Valid – Output/Success screen

The screenshot shows a web browser window with the URL `fastapps04.qut.edu.au:8080/n9511555/Login.php`. The page has a dark header with the 'ze!p' logo and navigation buttons for 'Search', 'Login', and 'Register'. The main content area has a light blue gradient background. In the center, there is a white rounded rectangle titled 'Login'. Inside this box, there are two input fields: 'Enter Username:' with the value 'jane0027' and 'Enter Password:'. Below these fields is a 'Login' button.

## Invalid – JavaScript validation

The screenshot shows a web browser window with the URL `localhost/Assignment/Registration.php`. The page has a dark header with the 'ze!p' logo and navigation buttons for 'Search', 'Login', and 'Register'. The main content area has a light blue gradient background. In the center, there is a white rounded rectangle titled 'Registration'. Inside this box, there are several input fields with red error messages: 'Full Name:' with the value 'jane' and the message 'Can't use numbers in the full name'; 'Email Address:' with the value 's@s' and the message 'Email is not a valid format: example@email.com'; 'Username:' with the value 's'; 'Password:' with the value '\*' and the message 'Password's don't match. Try again.'; 'Confirm Password:' with the value '\*\*'; 'Postcode:' with the value 's' and the message 'Postcode can't contain letters.'; 'Date of Birth:' with the value '2007/01/02' and the message 'Invalid date. Enter date: YYYY-mm-dd'. There is also a 'Confirm' button at the bottom.

## Invalid – PHP validation

Preference Name	Status	Type	Value
browser.urlbar.filter.javascript	default	boolean	true
javascript.enabled	user set	boolean	false

Registration

about:config

fastapps04.qut.edu.au/8080/n9511555/RegistrationProcess.php

Search

Logout

Register

Hello! newuser

### Registration

Full Name:  
s  
Invalid character(s) used

Email Address:  
s@s  
Invalid email format: example@email.com

Username:  
s

Password:  
s  
Password's don't match. Try again

Confirm Password:  
s

Postcode:  
s

Date of Birth:  
1920/05/03  
Date is not valid: YYYY-mm-dd

Confirm

Invalid – Username already taken

Registration

Registration

about:config

fastapps04.qut.edu.au/8080/n9511555/RegistrationProcess.php

Search

Login

Register

### Registration

Full Name:  
s

Email Address:  
s@s.com

Username:  
newUser1  
Username is taken.

Password:  
s

Confirm Password:  
s

Postcode:  
9999

Date of Birth:  
s

Confirm

Logging in as an existing user;

Valid - Input

The screenshot shows a web browser window with the URL `fastapps04.qut.edu.au/8080/n9511555/Login.php`. The page has a dark header with the **ze!p** logo on the left and three buttons labeled **Search**, **Login**, and **Register** on the right. The main content area has a light blue background. In the center, there is a white rounded rectangle titled **Login**. Inside this rectangle, there are two input fields: "Enter Username:" with the text `newUser1` entered, and "Enter Password:" with a single dot `.` entered. Below these fields is a **Login** button.

Valid – Output

The screenshot shows the same web browser window, but the URL is now `fastapps04.qut.edu.au/8080/n9511555/index.php`. The header now displays **Hello! newUser1** next to the **Search** button, which is circled in red. The **Login** and **Register** buttons are still present. The main content area features the **ze!p** logo and a search form. The form has two sections: "Search for a specific park" with fields for "Park name" (containing `7th Brigade Park`), "Choose Suburb" (a dropdown menu showing `Any`), and "Choose minimum rating" (a dropdown menu showing `5`); and "Or, Find parks from your current location." with a "Within (kms):" field (containing `99999`). Both sections have a **Search** button. A red error message `User denied the request for Geolocation.` is displayed below the second section's search button.

Logging out;

Click on logout button

Registration

Full Name:  
Jane Doe

Email Address:  
example@email.com

Username:  
JaneDoe17

Password:

Confirm Password:

Postcode:  
9999

Date of Birth:

Confirm

Output

Search Page

Search for a specific park

Park name  
7th Brigade Park

Choose Suburb  
Any

Choose minimum rating  
5

Search

Or, Find parks from your current location.

Within (kms):  
99999

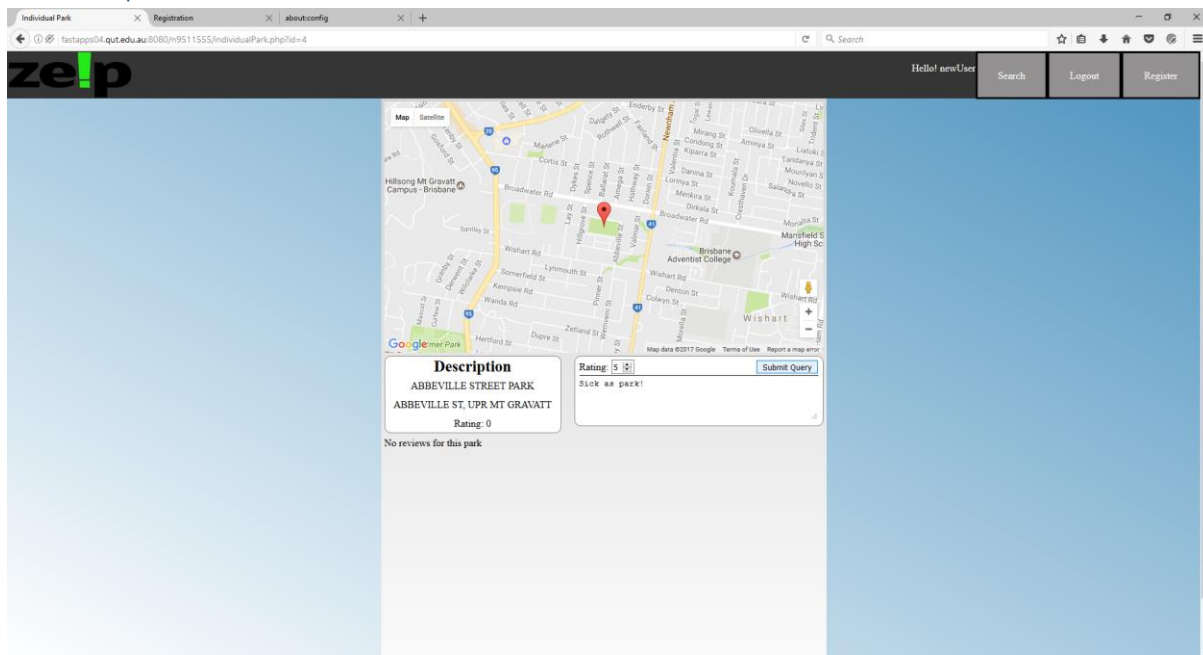
User denied the request for Geolocation.

Search

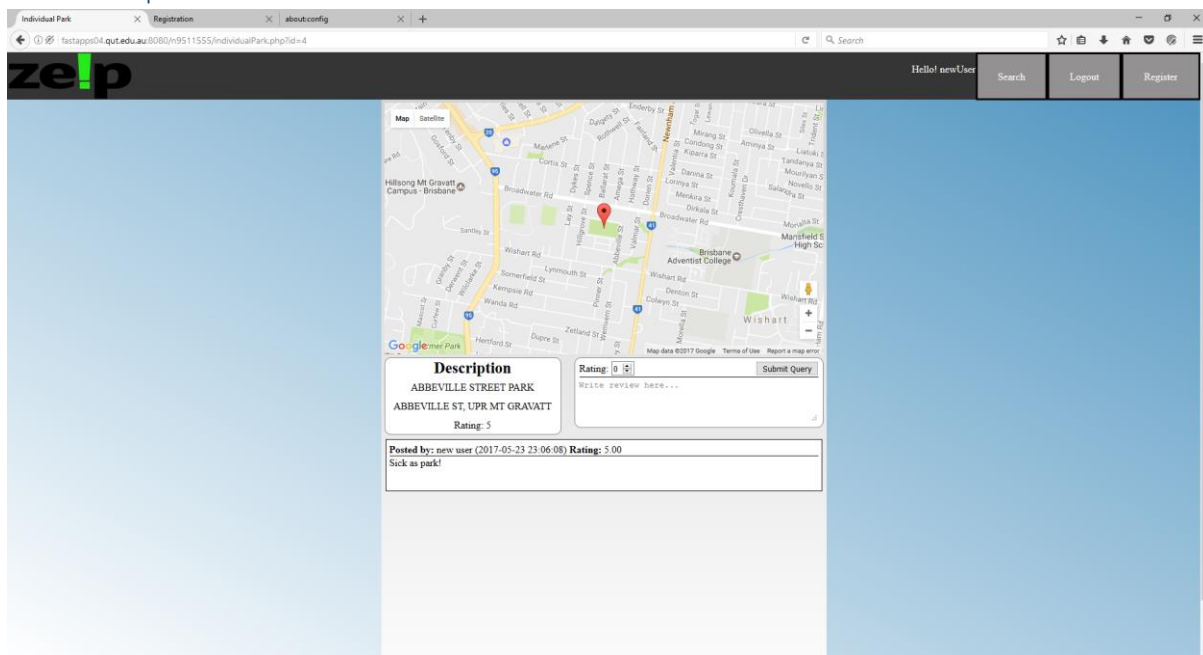


Adding a review;

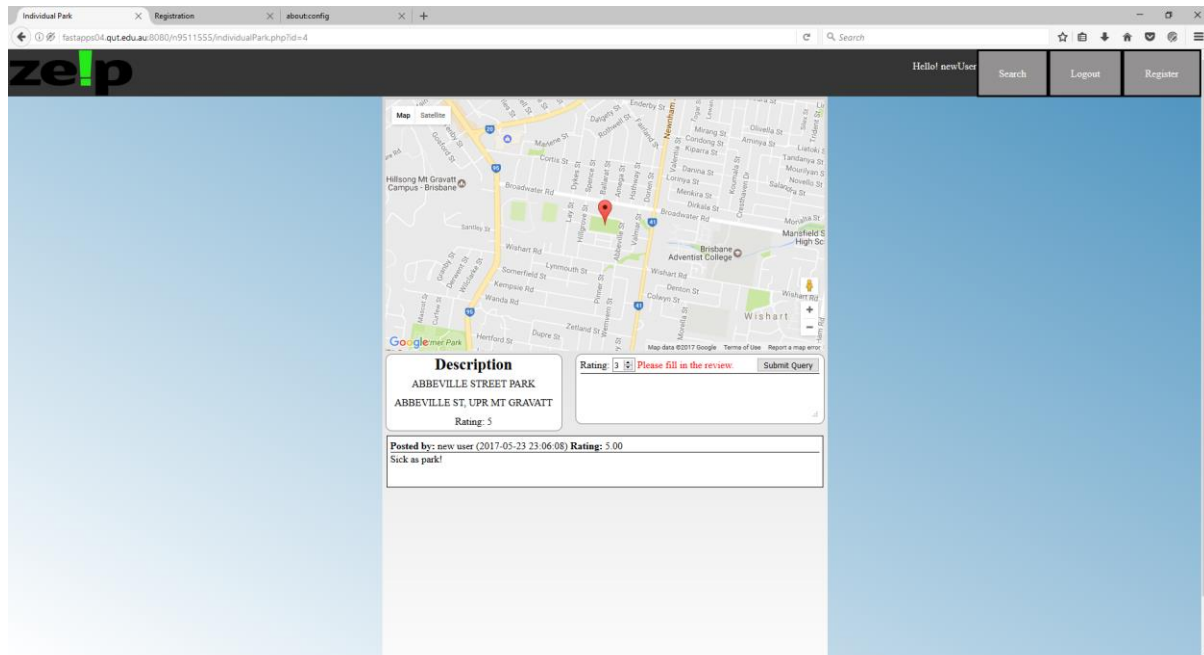
Valid – input



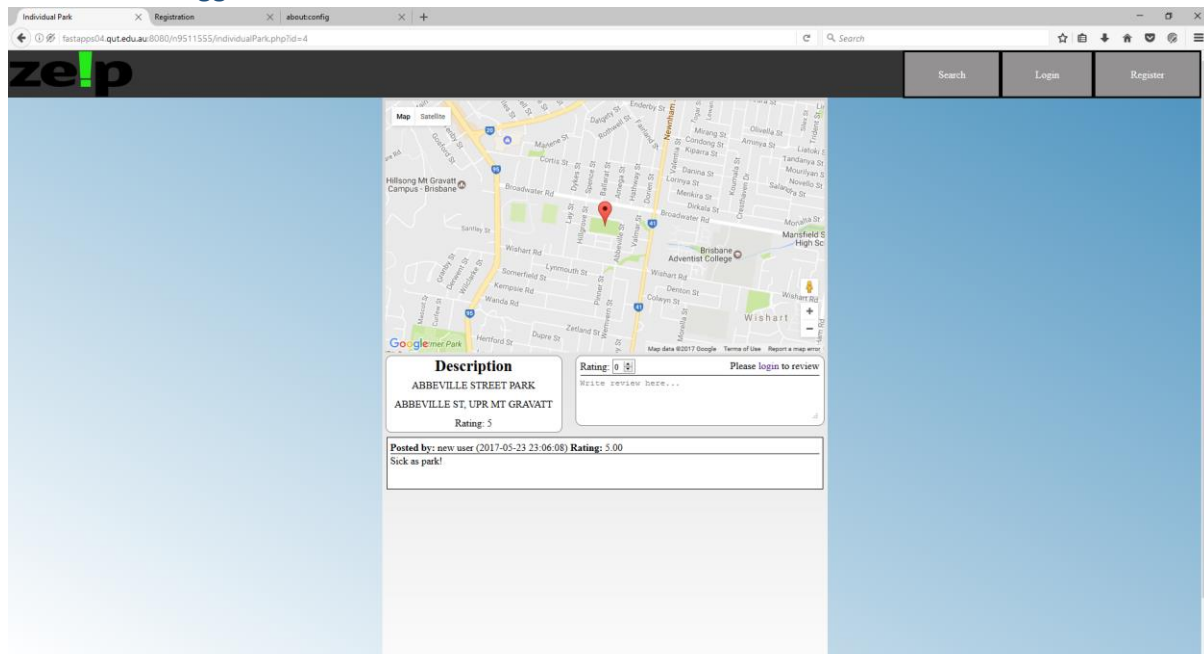
Valid – output



## Invalid – Blank review / All spaces



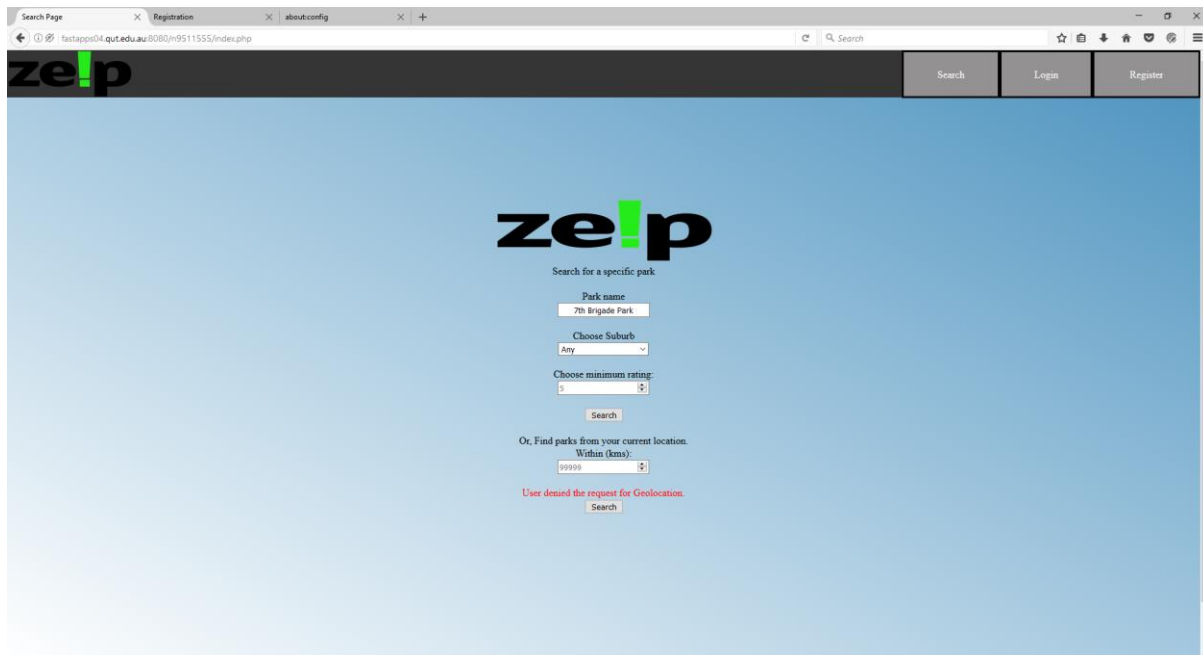
## Invalid / Not logged in



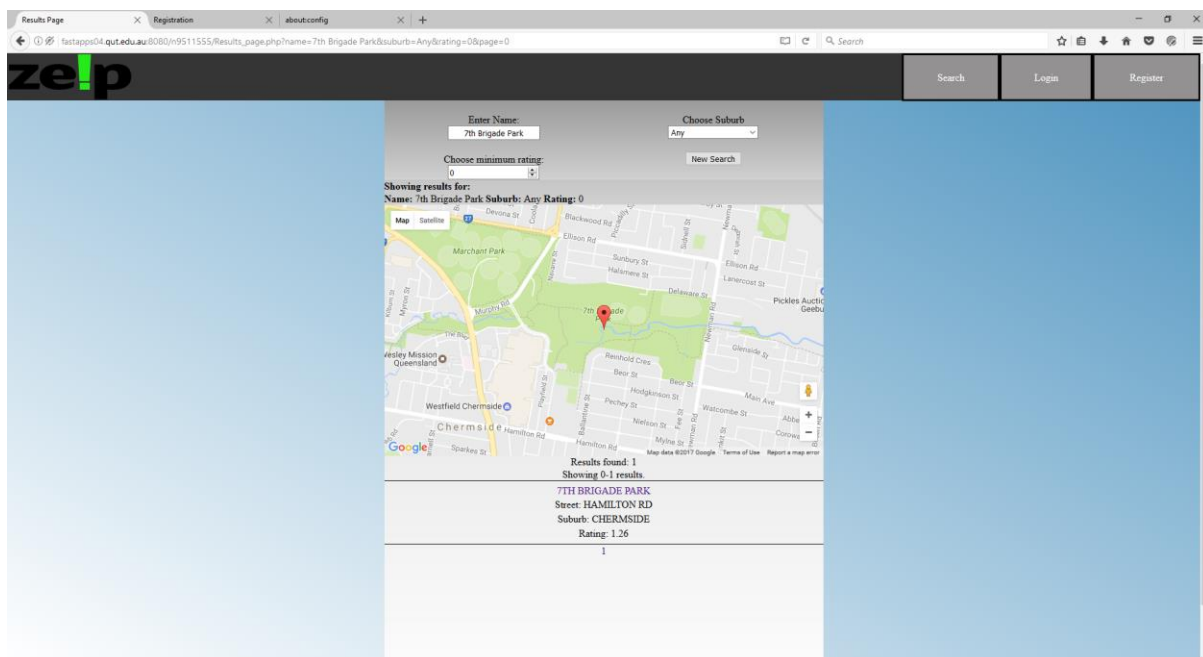
Searching for an item that exists in the database;

Searching by name

Input

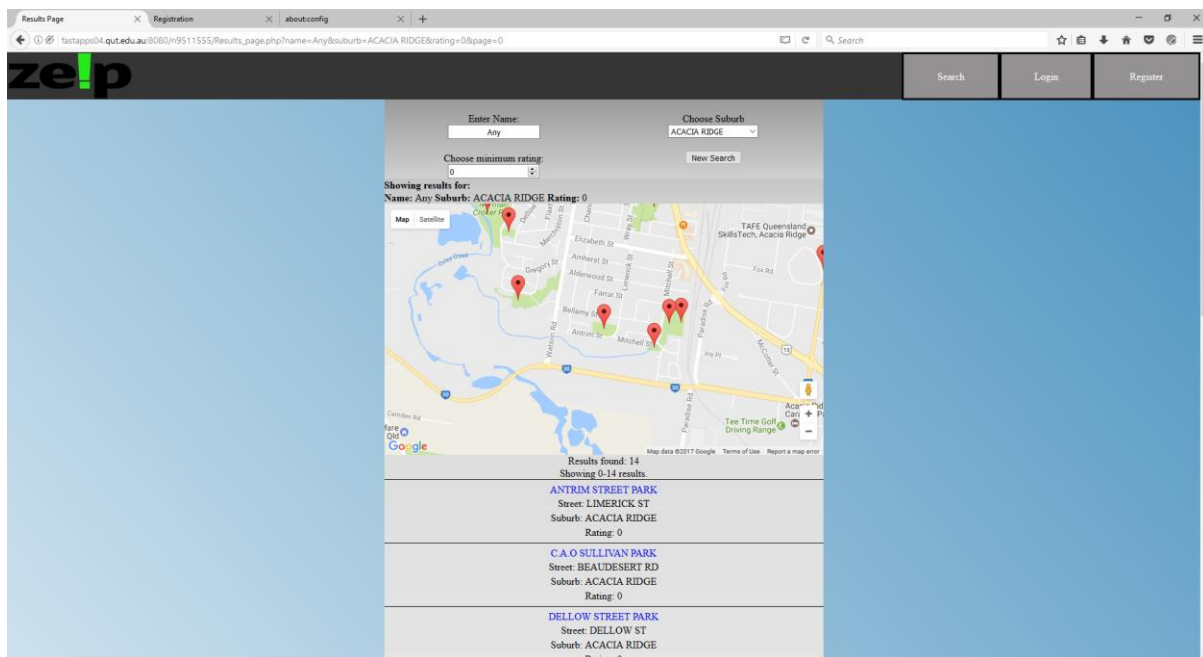


## Output

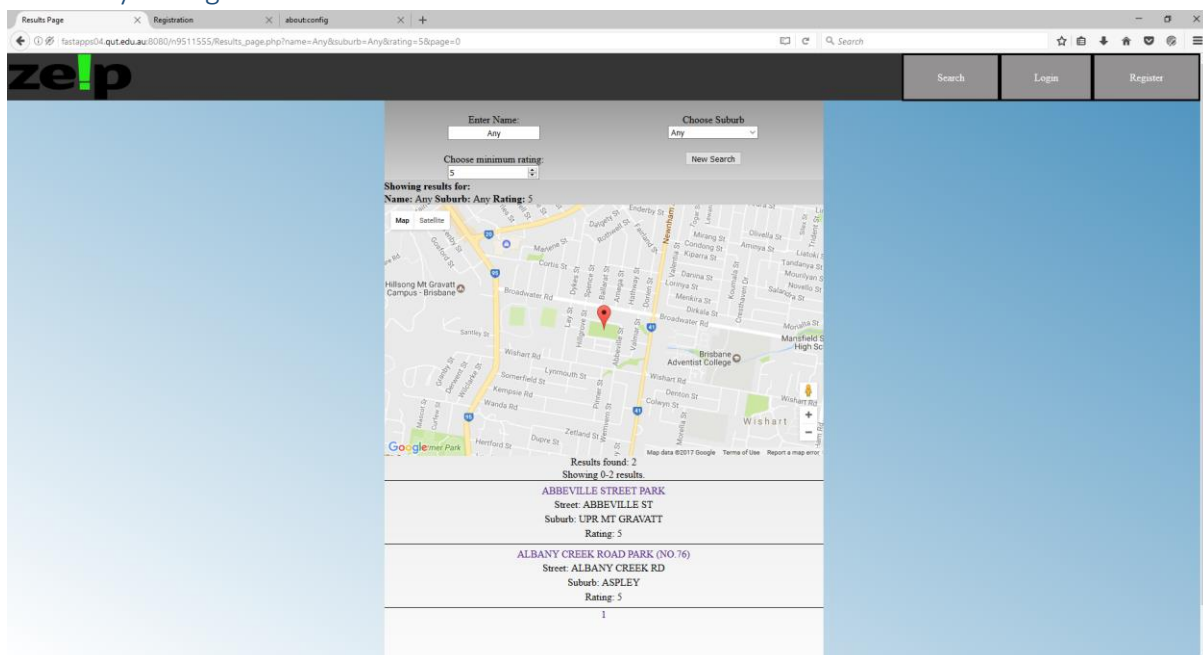


## Searching by Suburb

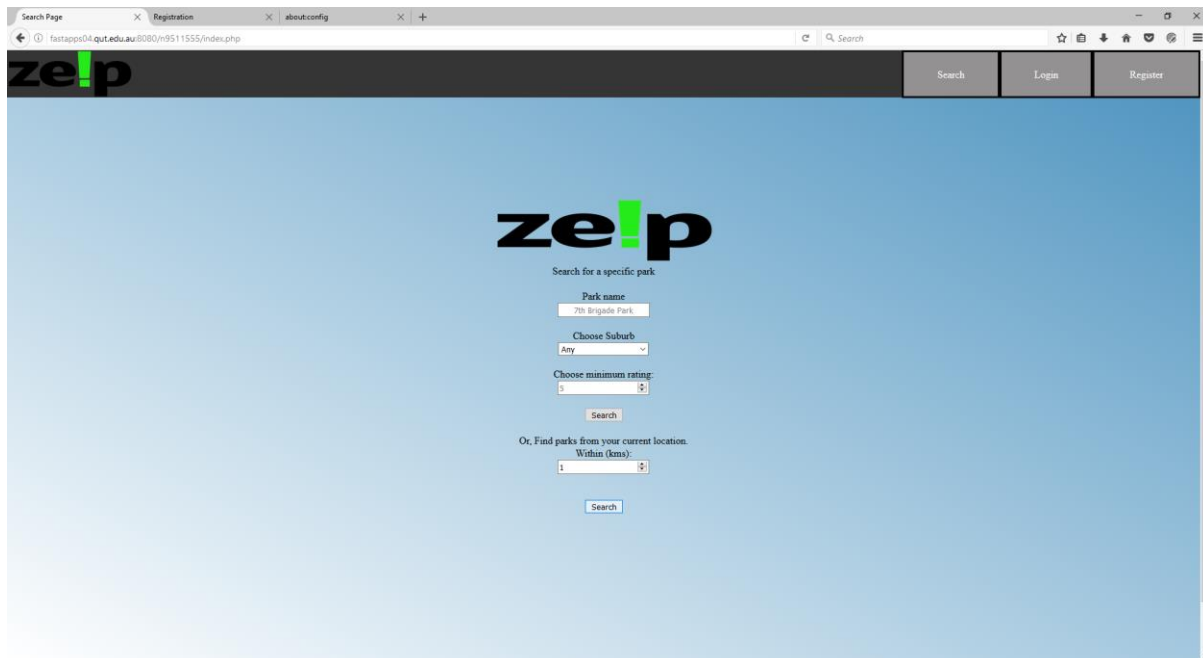
### Output



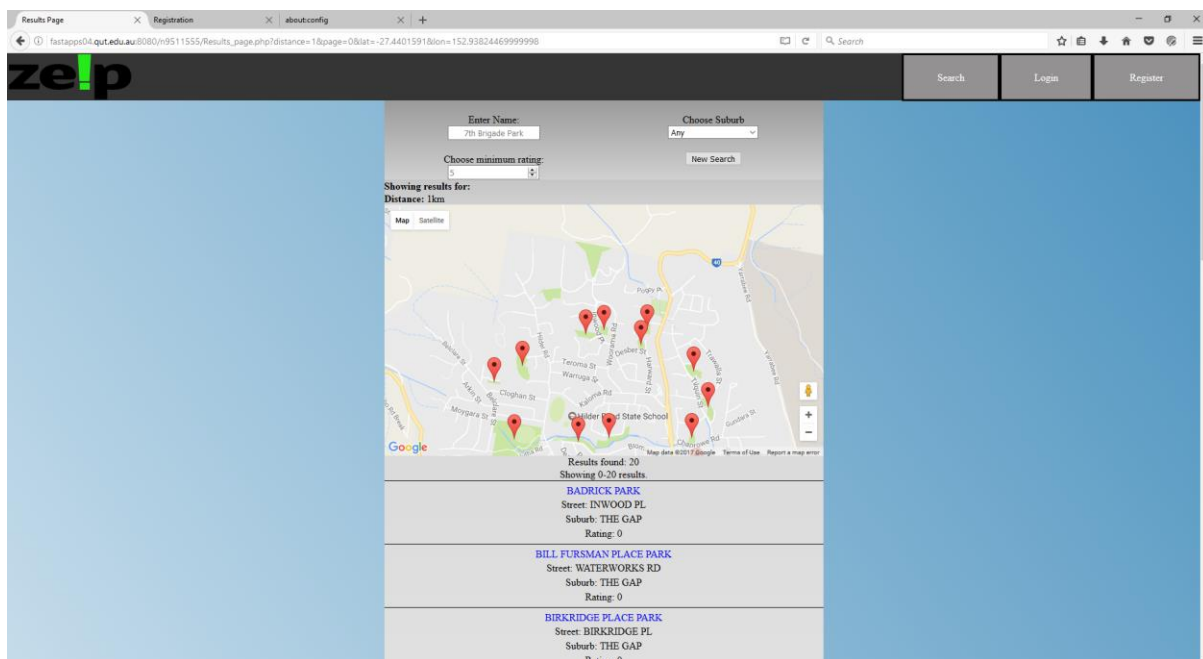
## Search by Rating



## By Geolocation Input



## Output



Searching for an item that does not exist in the database;

Park that doesn't exist by name

The screenshot shows a web browser window with the URL `fastapps04.qut.edu.au/8080/n9511555/Results_page.php?name=ParkThatDoesntExists&suburb=Any&rating=0&page=0`. The page features the 'ze!p' logo and navigation buttons for 'Search', 'Login', and 'Register'. The search form includes fields for 'Enter Name' (containing 'ParkThatDoesntExists'), 'Choose Suburb' (set to 'Any'), and 'Choose minimum rating' (set to '0'). Below the form, it states 'Showing results for: Name: ParkThatDoesntExists Suburb: Any Rating: 0'. The main content area is empty, displaying 'Results found: 0' and 'Showing 0-0 results.'

Park that doesn't exists by properties: Rating and Suburb

The screenshot shows a web browser window with the URL `fastapps04.qut.edu.au/8080/n9511555/Results_page.php?name=Any&suburb=ACACIA RIDGE&rating=5&page=0`. The page features the 'ze!p' logo and navigation buttons for 'Search', 'Login', and 'Register'. The search form includes fields for 'Enter Name' (set to 'Any'), 'Choose Suburb' (set to 'ACACIA RIDGE'), and 'Choose minimum rating' (set to '5'). Below the form, it states 'Showing results for: Name: Any Suburb: ACACIA RIDGE Rating: 5'. The main content area is empty, displaying 'Results found: 0' and 'Showing 0-0 results.'

Accessing an individual item page;

Access via table result hyperlink

Results Page | Registration | about:config

fastapps04.qut.edu.au:8080/n9511555/Results\_page.php?name=Any&suburb=Any&rating=0&page=0

Search | Login | Register

Enter Name: Any | Choose Suburb: Any | Choose minimum rating: 0 | New Search

Showing results for:  
Name: Any Suburb: Any Rating: 0

Map | Satellite

Results found: 2214  
Showing 0-25 results.

<b>7TH BRIGADE PARK</b> Street: HAMILTON RD Suburb: CHERMSIDE Rating: 1.26
<b>A. J. JONES RECREATION RESERVE</b> Street: CORNWALL ST Suburb: GREENSLOPES Rating: 4
<b>A. R. C. HILL PARK</b> Street: GOSS RD Suburb: VIRGINIA Rating: 0

fastapps04.qut.edu.au:8080/n9511555/individualPark.php?id=1

Access via map marker

Results Page | Registration | about:config

fastapps04.qut.edu.au:8080/n9511555/Results\_page.php?name=Any&suburb=Any&rating=0&page=0

Search | Login | Register

Enter Name: Any | Choose Suburb: Any | Choose minimum rating: 0 | New Search

Showing results for:  
Name: Any Suburb: Any Rating: 0

Map | Satellite

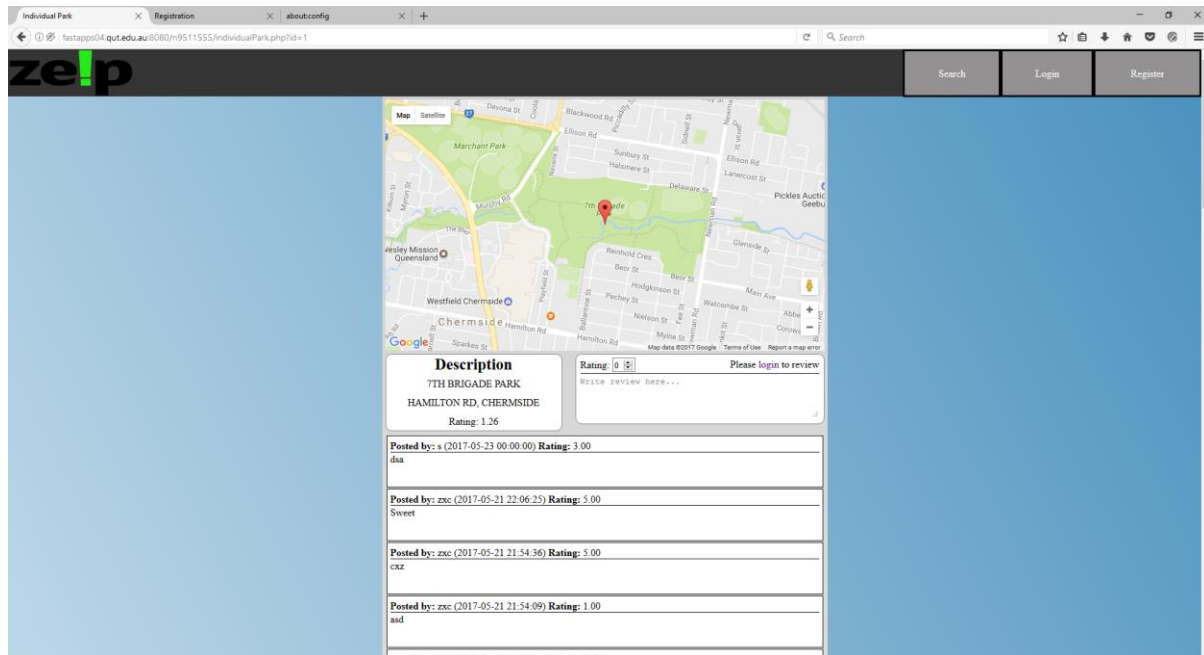
7TH BRIGADE PARK  
Suburb: CHERMSIDE  
Street: HAMILTON RD  
Coordinates: -27.38006149, 153.0387005  
[Individual Page](#)

Results found: 2214  
Showing 0-25 results.

<b>7TH BRIGADE PARK</b> Street: HAMILTON RD Suburb: CHERMSIDE Rating: 1.26
<b>A. J. JONES RECREATION RESERVE</b> Street: CORNWALL ST Suburb: GREENSLOPES Rating: 4
<b>A. R. C. HILL PARK</b> Street: GOSS RD Suburb: VIRGINIA Rating: 0

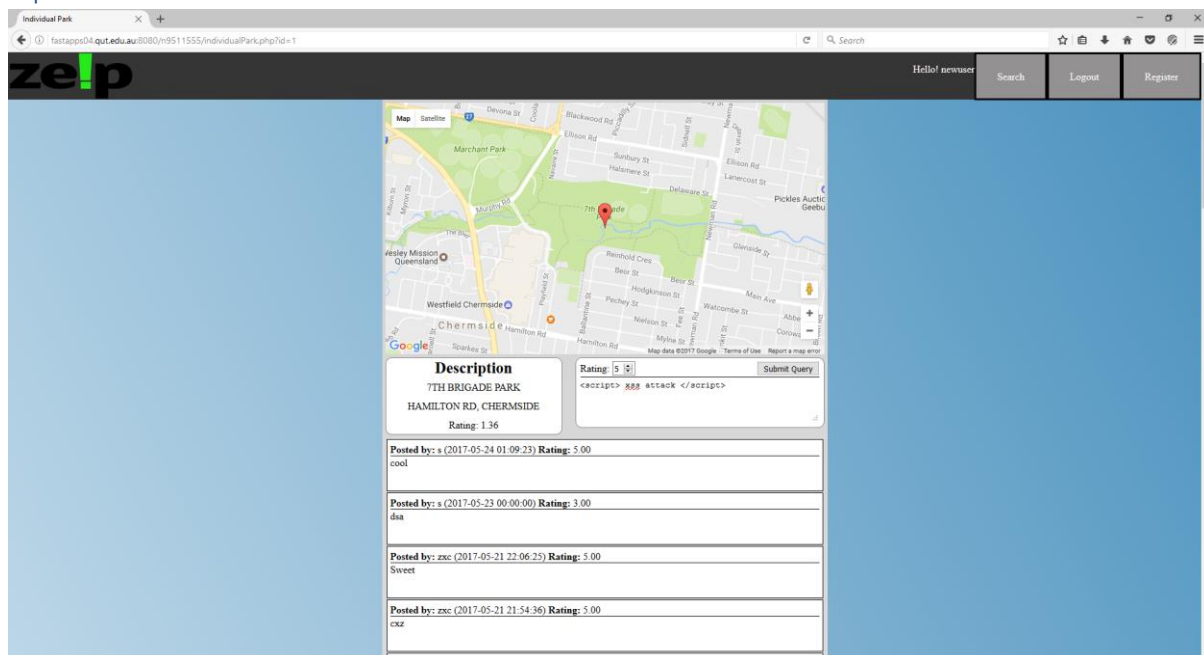
fastapps04.qut.edu.au:8080/n9511555/individualPark.php?id=1

## Output



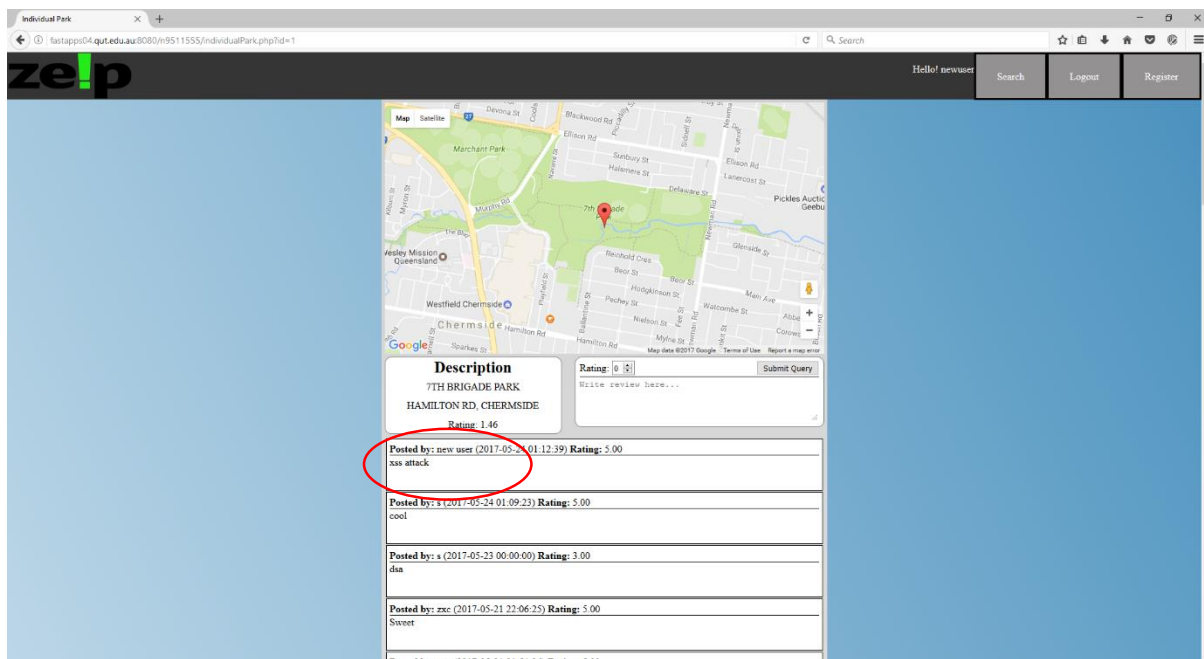
Attempting to use a cross site scripting attack but not being successful;

## Input



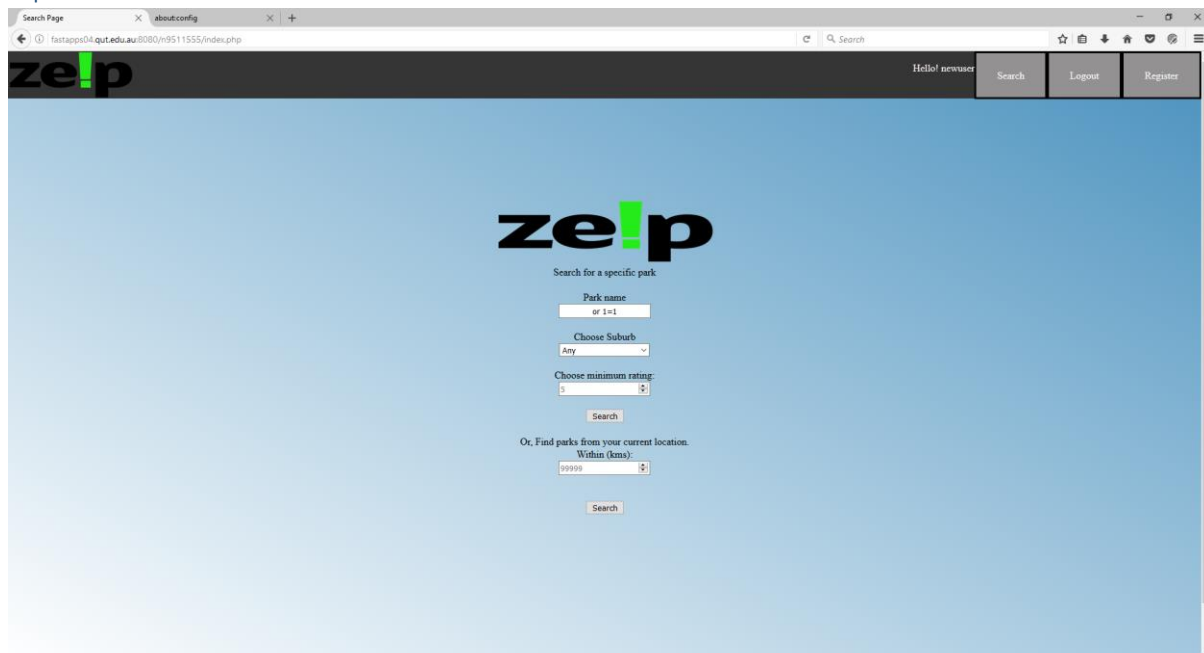


## Output



Attempting to use an SQL injection attack but not being successful;

## Input



## Output

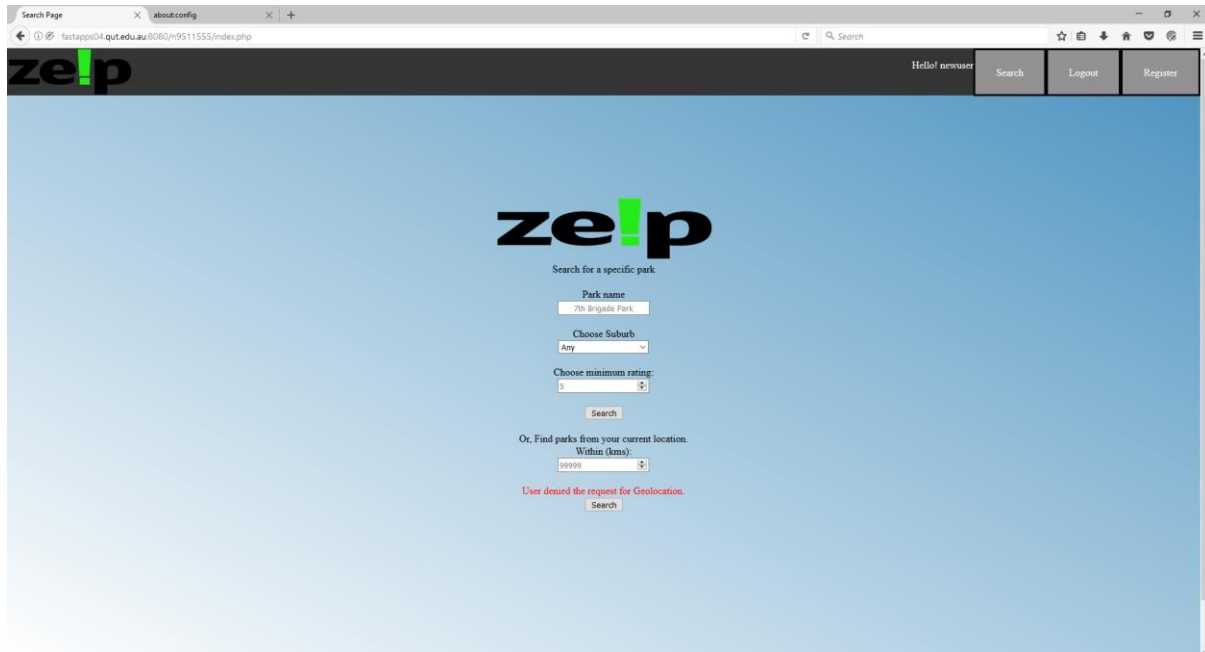
The screenshot shows the 'ze!p' website home page. The browser's address bar displays 'fastapps04.qut.edu.au/8080/n9511555/index.php'. The website has a dark header with the 'ze!p' logo on the left and navigation links 'Hello! newuser', 'Search', 'Logout', and 'Register' on the right. The main content area has a light blue background. In the center, there is a search section titled 'Search for a specific park'. It includes a 'Park name' input field with a dropdown menu showing 'or 1=1' and a red error message 'Invalid character(s) used.' Below this is a 'Choose Suburb' dropdown menu with 'Any' selected. Further down is a 'Choose minimum rating' input field with '1' selected. A 'Search' button is located below these fields. Below the search section, there is another section titled 'Or, Find parks from your current location.' with a 'Within (kms):' input field showing '99999' and another 'Search' button.

Unregistered user not being able to log in; and

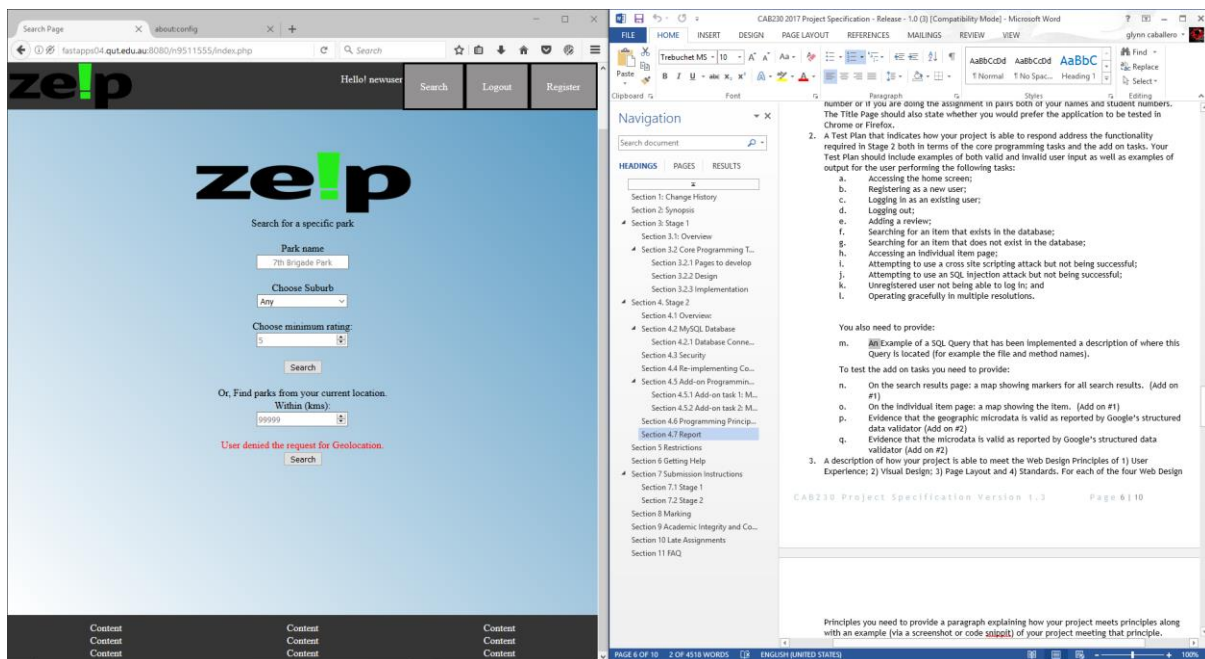
The screenshot shows the 'ze!p' website login page. The browser's address bar displays 'fastapps04.qut.edu.au/8080/n9511555/loginprocess.php'. The website has a dark header with the 'ze!p' logo on the left and navigation links 'Search', 'Login', and 'Register' on the right. The main content area has a light blue background. In the center, there is a white rounded rectangle containing the 'Login' section. It has an 'Enter Username:' input field with 'notregistereduser' entered. Below this is a red error message: 'Failed login. Either the username or password is incorrect.' Below the error message is an 'Enter Password:' input field with '\*\*\*\*\*' entered. A 'Login' button is located at the bottom of the white rectangle.

Operating gracefully in multiple resolutions.

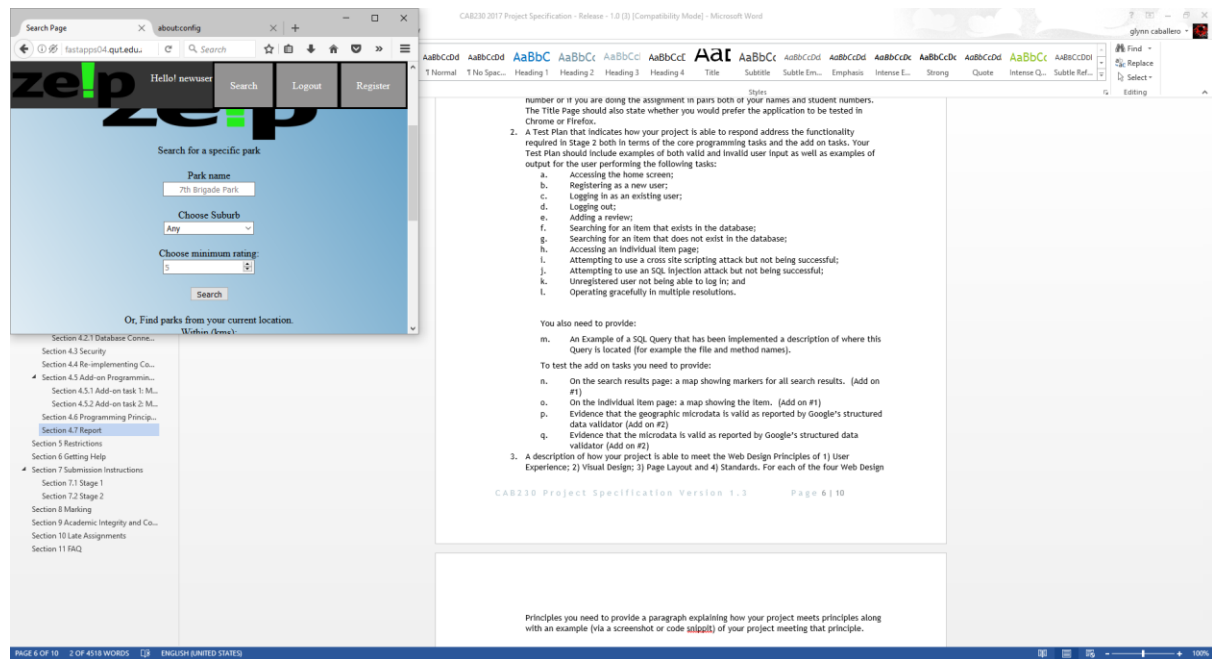
Full screen



Half screen



## Less than Quarter screen



An Example of a SQL Query that has been implemented a description of where this Query is located (for example the file and method names).

```
$result = $pdo->query(
    "SELECT *
    FROM parks
    WHERE Idpark = $parkID");
```

The query is used to pull all the required information of a particular park, to be used in the description section of the individual Park page

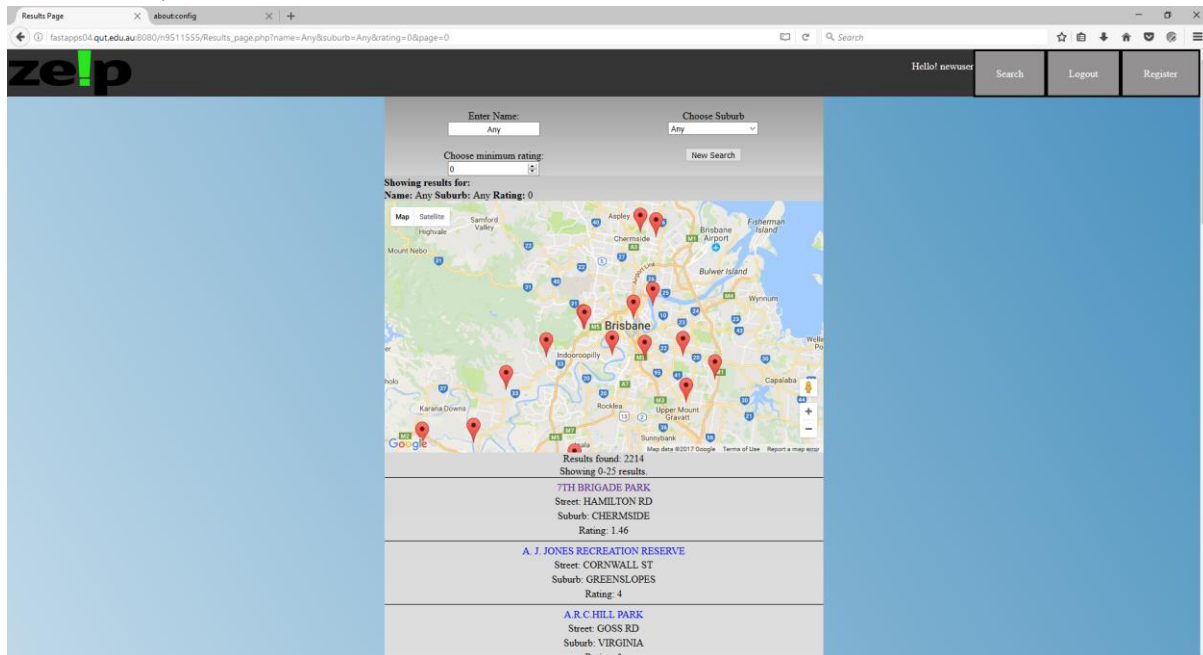
File name: <http://fastapps04.qut.edu.au:8080/n9511555/individualPark.php?id=1>

Line number: 40 - 44

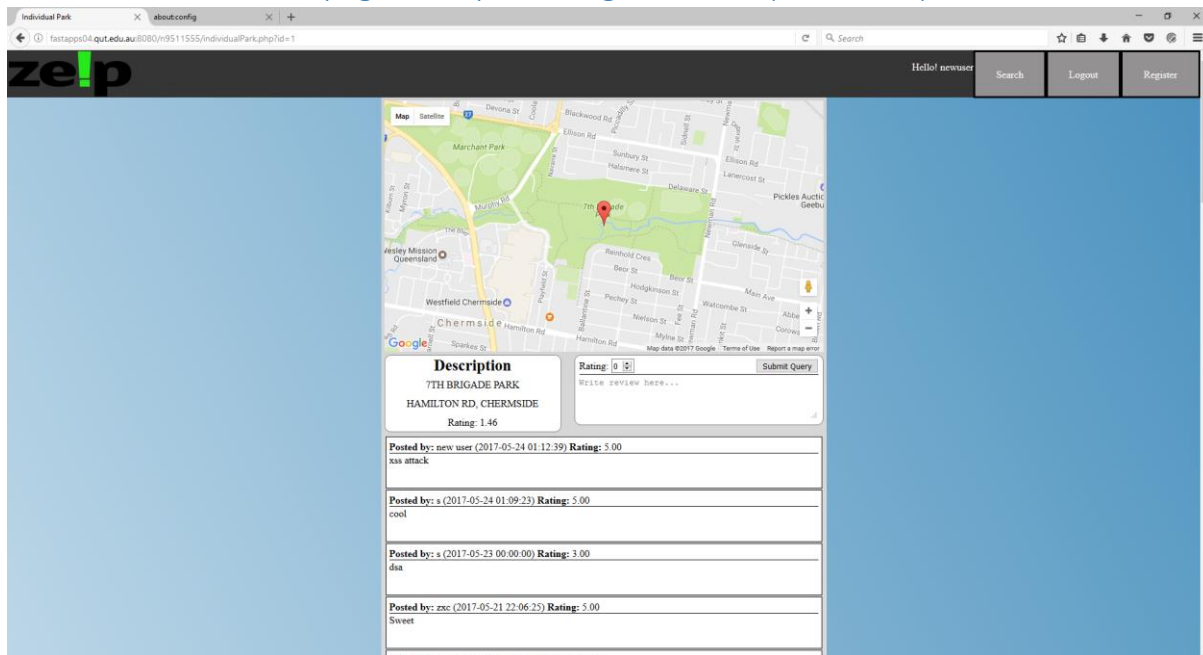
## Add on tasks Tests:

On the search results page: a map showing markers for all search results. (Add on #1)

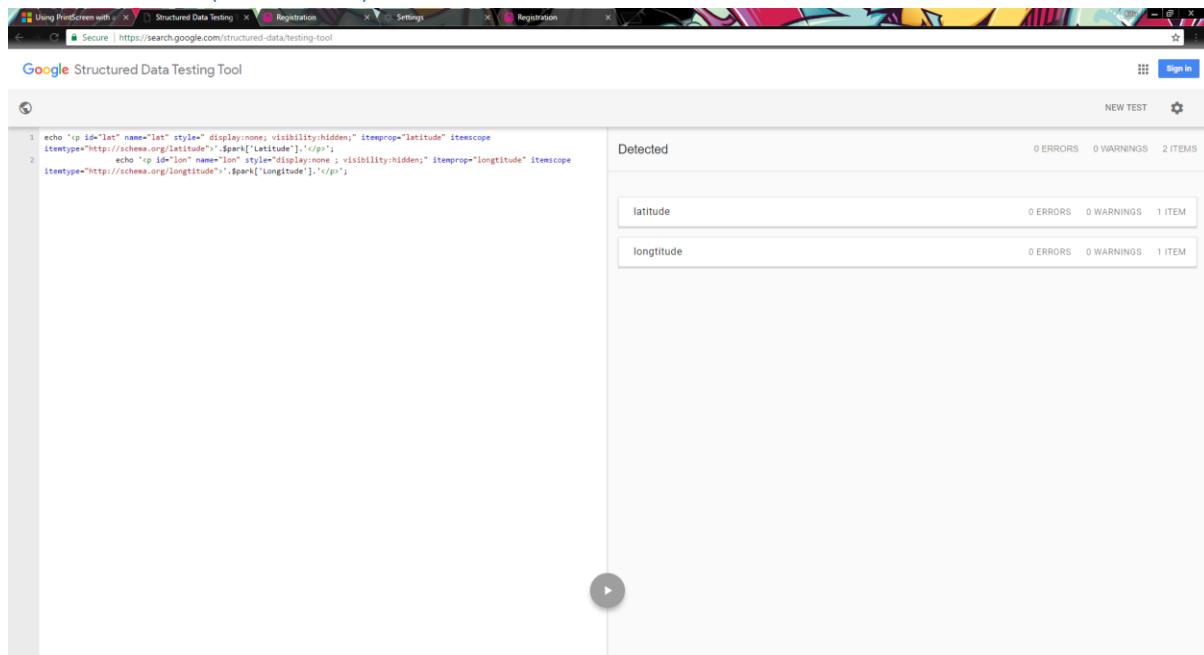
The first 25 parks in the database



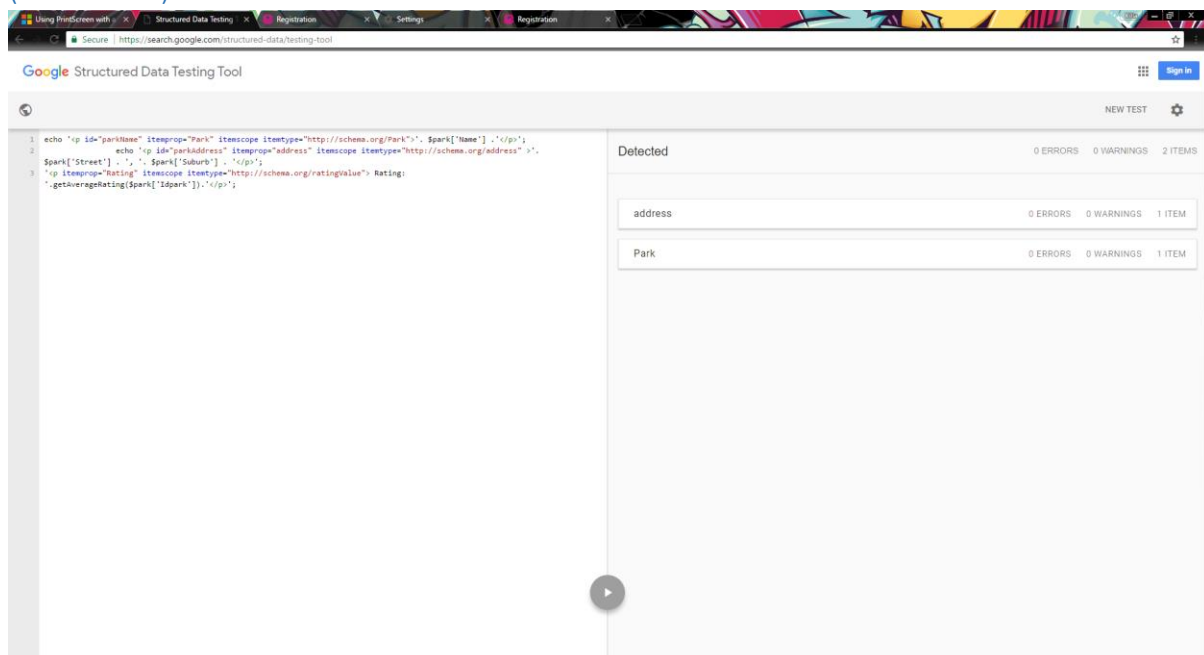
On the individual item page: a map showing the item. (Add on #1)



Evidence that the geographic microdata is valid as reported by Google's structured data validator (Add on #2)



Evidence that the microdata is valid as reported by Google's structured data validator (Add on #2)

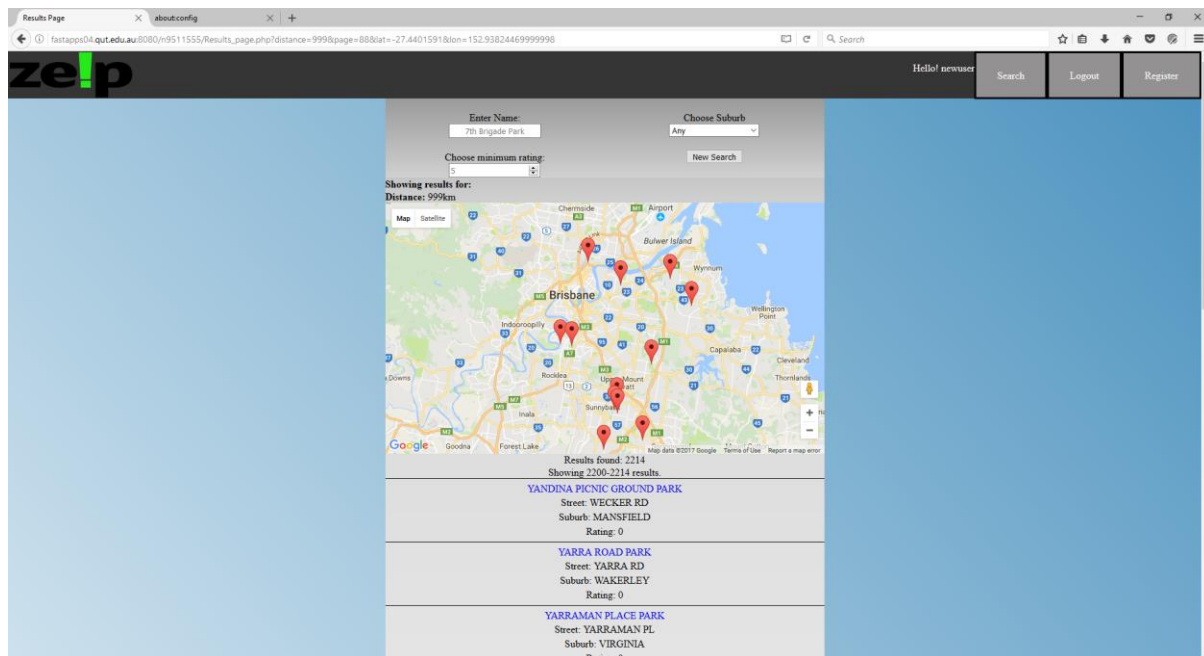


## Web design principles

### 1) User Experience

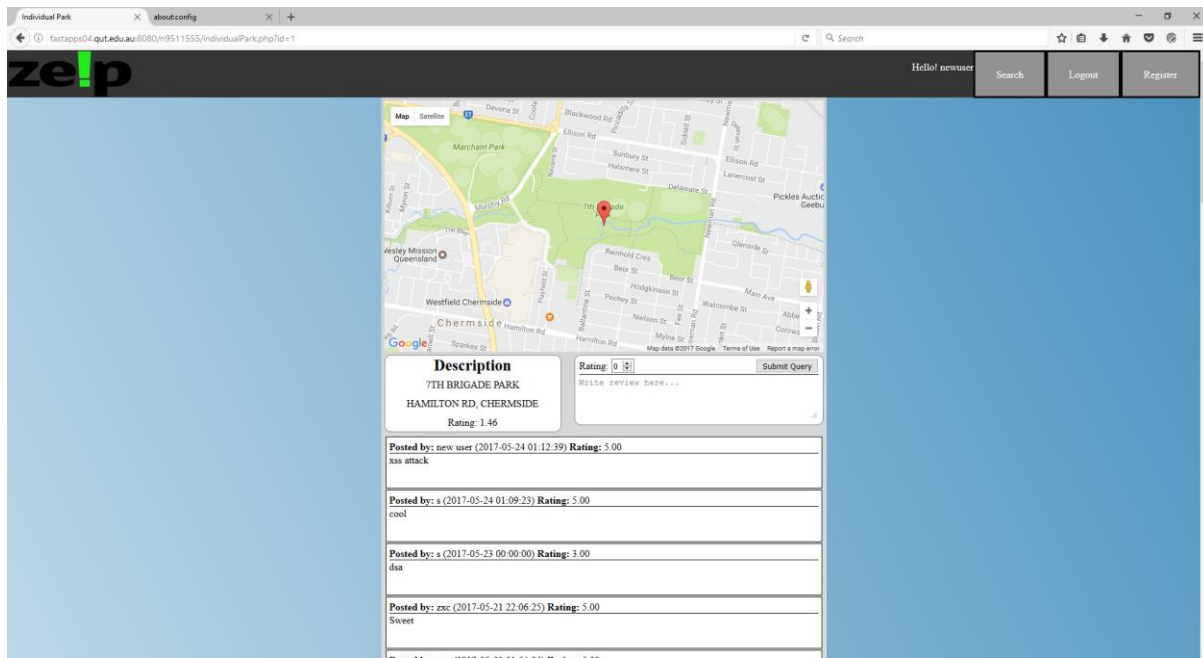
I believe that my website is able to meet the User Experience principle by being simple, organised, and easy to use. First off the home page is the search page itself, focusing the attention of the website to finding a park. It is organized in a sense, that every page only has information relating to itself, as in the individual page doesn't have a search function or other relating parks, focusing the

customer's attention to the park itself and its reviews. The results page shows the results in a tabular format, while showing only the necessary information to find the park such as the parks name, address (street and suburb). While the park id is not shown as it's mainly used in database query and other server services. Also the results page prioritizes the individual park itself, as the biggest font is the park's name, while also being a hyperlink to its own page. Which to a park finding website is the most important feature, so making that standout more than the rest, makes it easier for the user.



## 2) Visual Design

I believe that my website has a basic design, but still strictly adheres to visual design principles. First off the colour schemes, it's not very bright, background is a dull light blue to white gradient, making the content in the middle pop out more. While the other features, such as the menu, main body sections are in a dark grey to light grey colours, making it easier for the eyes. The design is for quick scanning's, as shown in the results page the texts are dark, while the drawing point is to the link to the individual park's page. My website uses the block design highly, with all the pages showing a header (that's always on top), the main body section (with content), the footer (with other links...that's supposed to represent more pages). Sticking with the blocks design, smaller sections are always divided into blocks, individual results, reviews, map sections, descriptions etc. are separated into their own blocks, making it easier to read and scan. While the use of white spaces is used mainly on the login and registration pages, I mainly did this so that it's easier to read and write. As I believe the user when using these features need to pay read details more carefully.



### 3) Page Layout

My websites page layout is a fixed-width centred design. While the width changes in certain pages, the content is always centred to make it easier to read for the user. For example the results page and individual page has a 700px width, while the login and registration page has 350px width. Even though this mean the width isn't fixed throughout the website, it allows the user to know which web pages are closely related, the registration and login, and results page and individual page. Having it as a fixed-width makes it easier to display when changing the resolution of the browser. Navigation I think is pretty simple and straight forward. Once on a certain page, most of the links within that page only go the next page for more information relating the previous page. For example the search only leads to the results page, while the results page is the only way to get to an individual page. While the registration and login process are can only link to each other. Where I think the navigation lacks, is when user hasn't logged in but wants to comment, in which case they log in but are taken back to the index page. Making them search for their park again. I haven't tested it on smaller screens such as phones, but it still functional as long as there's enough space for the menu and logo.



Registration

about:config

fastapps04.qut.edu.au:8080

Search

ze!p

Hello! newuser

Search

Logout

Register

## Registration

Full Name:

Jane Doe

Email Address:

example@email.com

Username:

JaneDoe17

Password:

Confirm Password:

#### 4) Standards

In terms of web site accessibility my website closely follows the standards defined by the W3C. Perceivable, the website contrasts very well. The background is a light blue to white gradient, making the content pop out more and easier to read. Also by being a fixed-width centred design it scales very well, when zoomed in. While all other information is mainly done in text, to allow for text assists technology, however the user must provide this technology. Operable: navigation and finding of content is very simple. With the main starting pages, always available via the menu, which is always shown on the header, which is on top of every other content. Making it very easy to find what the user needs. As mentioned before having a “dull” colour schemes with minimal colour changes allows use for people prone with seizures. The website is fairly “static” with minimal moving objects, such as ‘ads’ that flash up on screen. Giving people plenty of time to read the required information. Understandable, the website again focuses on displaying only the required information. So it doesn’t contain full bodies of texts, other than maybe the text in reviews, in which case individual reviews are of fixed height and width sizes, making them not as intimidating. This

makes the text that is necessary easy to read and understand. While the forms where the user needs to provide input is fairly standard and easy to use. And if they make an error, it provides “helpful” messages that is easier to identify by making the error red. In terms of robust, as long as major changes are made to the protocols used in the development of the website, I think it will still display properly. To summarize because the website is so basic, assistance is fairly minimal. Information that can be interacted with such as a the map, can still be read on text, which in turn can used for hearing assist technology. This in my opinion makes it stick to the accessibility standard.

The screenshot shows a web browser window with the title "Registration". The address bar shows the URL "http://localhost:8080/Registration.php". The browser's search bar is empty. The website's header includes the "ze!p" logo, a "Hello! newuser" message, and buttons for "Search", "Logout", and "Register". The main content area features a "Registration" form with the following fields and error messages:

- Full Name:** A text input field containing "<". Below it, a red error message reads: "Can't use special characters in the full name."
- Email Address:** A text input field containing "email@me". Below it, a red error message reads: "Email is not a valid format: example@email.com."
- Username:** A text input field containing "s".
- Password:** A text input field containing a single asterisk (\*).
- Confirm Password:** A text input field containing two asterisks (\*\*). Below it, a red error message reads: "Password's don't match. Try again."
- Postcode:** A text input field containing "9999".
- Date of Birth:** A text input field containing "11-03-1997". Below it, a red error message reads: "Invalid date. Enter date: YYYY-mm-dd."

At the bottom of the form is a "Confirm" button.