

# Manual User Testing Documentation

Functionality testing from the user's perspective

6 Sample sets of user registration data were created to test the registration / login functionality of the web application. The user database was completely cleared before these tests took place.

## **Sample set 1: All legitimate information (expected to work)**

Username: user

First name: John

Last name: Smith

Email Address: [js@gmail.com](mailto:js@gmail.com)

Password: 123

Phone number: 0400345673

Unit number: 1

Street number: Will St

Suburb: South Brisbane

State: QLD

Postcode: 4000

User type: Business

This information was put into the registration.html page into the correct fields and then submitted to the database. A login attempt was then completed using the username: user and password: 123. The user was successfully able to login and this was considered a success.

**TEST SUCCEEDED**

### Sample set 2: Illegitimate username (expected to not work)

Username: {user}

First name: John

Last name: Smith

Email Address: [js@gmail.com](mailto:js@gmail.com)

Password: 123

Phone number: 0400345673

Unit number: 1

Street number: Will St

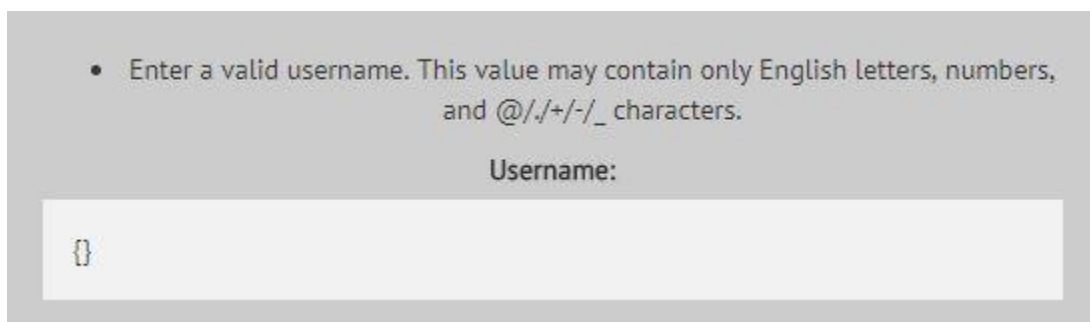
Suburb: South Brisbane

State: QLD

Postcode: 4000

User type: Business

This information was put into the registration.html page into the correct fields and then attempted to submit to the database. This did not work and the user was notified that they could not use this symbol in the username and thus the test was a success as the user was stopped from using a username that should not be allowed.



A screenshot of a registration form with a grey background. At the top, there is a bulleted error message: "Enter a valid username. This value may contain only English letters, numbers, and @/./+/-/\_ characters." Below this message, the label "Username:" is centered. Underneath the label is a white text input field. Inside the input field, the characters "{}" are visible, indicating the username that was attempted.

**TEST SUCCEEDED**

### Sample set 3: Illegitimate email address (expected to not work)

Username: user

First name: John

Last name: Smith

Email Address: [js](#)

Password: 123

Phone number: 0400345673

Unit number: 1

Street number: Will St

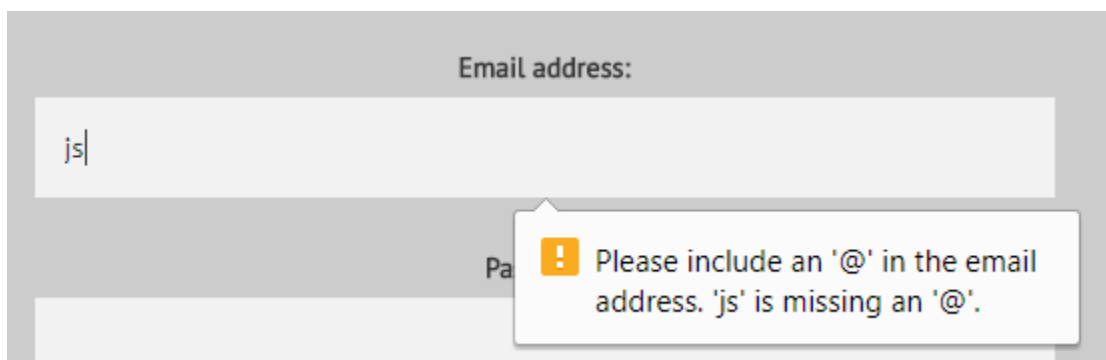
Suburb: South Brisbane

State: QLD

Postcode: 4000

User type: Business

This information was put into the registration.html page into the correct fields and then attempted to submit to the database. This did not work as a legitimate email address was not entered and thus the test was a success as the user was stopped from using an email address that is not an actual email address.



The screenshot shows a registration form with a label "Email address:" above a text input field. The input field contains the text "js". Below the input field, a validation error message is displayed in a white box with a yellow warning icon. The message reads: "Please include an '@' in the email address. 'js' is missing an '@'." The background of the form is a light gray.

**TEST SUCCEEDED**

**Sample set 5: No username (expected to not work)**

Username:

First name: John

Last name: Smith

Email Address: [js@gmail.com](mailto:js@gmail.com)

Password: 123

Phone number: 0400345673

Unit number: 1

Street number: Will St

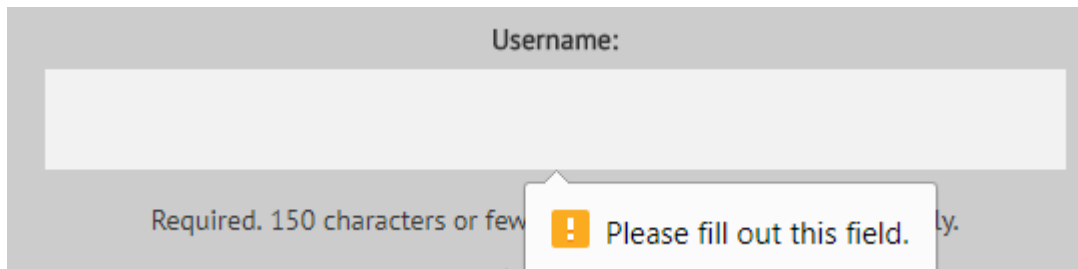
Suburb: South Brisbane

State: QLD

Postcode: 4000

User type: Business

This information was put into the registration.html page into the correct fields and then attempted to submit to the database. As no username was entered this attempt to register failed and the user was notified that they must enter a username thus the test was a success.



The screenshot shows a registration form with a grey header bar containing the label "Username:". Below this is a large, empty white text input field. At the bottom of the form, there is a validation message: "Required. 150 characters or few". A white tooltip box with a yellow exclamation mark icon is overlaid on the form, displaying the message "Please fill out this field.".

**TEST SUCCEEDED**

**Sample set 6: No password (expected to not work)**

Username: johnS

First name: John

Last name: Smith

Email Address: [js@gmail.com](mailto:js@gmail.com)

Password:

Phone number: 0400345673

Unit number: 1

Street number: Will St

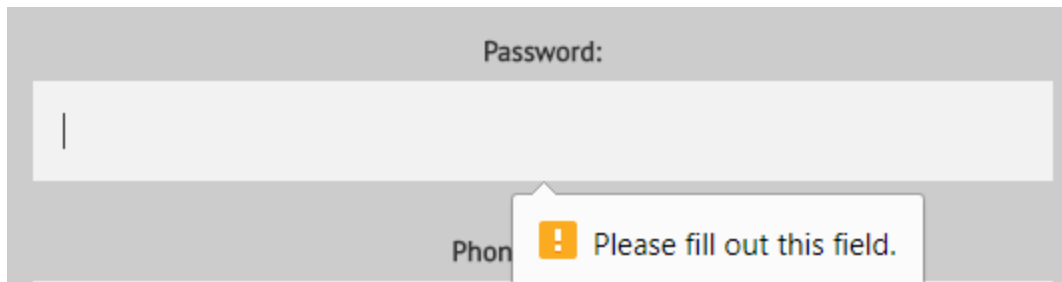
Suburb: South Brisbane

State: QLD

Postcode: 4000

User type: Business

This information was put into the registration.html page into the correct fields and then attempted to submit to the database. As no password was entered this attempt to register failed and the user was notified that they must enter a password thus the test was a success.



The screenshot shows a registration form with a grey background. At the top, the label "Password:" is visible. Below it is a white text input field that is currently empty. To the right of the input field, a white error message box with a yellow exclamation mark icon contains the text "Please fill out this field." Below the input field, the label "Phone" is partially visible.

**TEST SUCCEEDED**

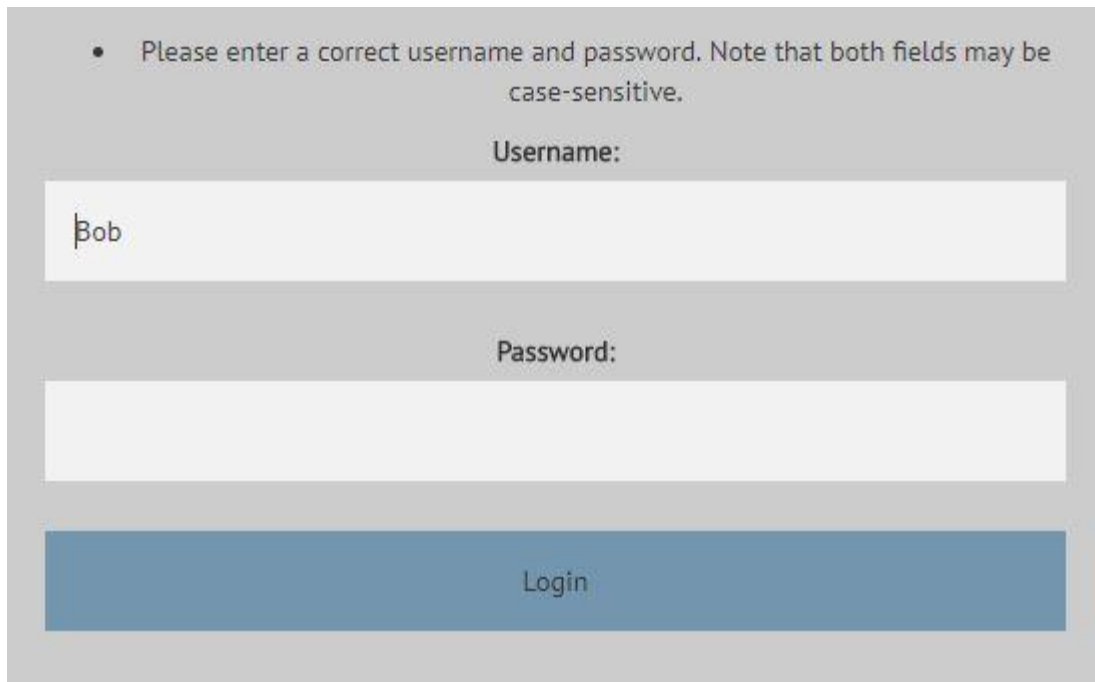
Finally, after all sample sets of data were attempted to be submitted to the database a login test was completed to ensure that a username and password that had not been submitted to the database could not login.

**Sample Login data 1:**

Username: Bob

Password: 123

The user was not able to login and instead rejected as this account had not been registered within the database. Thus, the test was a success.



The screenshot shows a login interface with a light gray background. At the top, there is a bulleted error message: "Please enter a correct username and password. Note that both fields may be case-sensitive." Below this, the "Username:" label is positioned above a white text input field containing the text "Bob". Further down, the "Password:" label is positioned above an empty white text input field. At the bottom of the form is a blue rectangular button with the text "Login" in white.

**TEST SUCCEEDED**

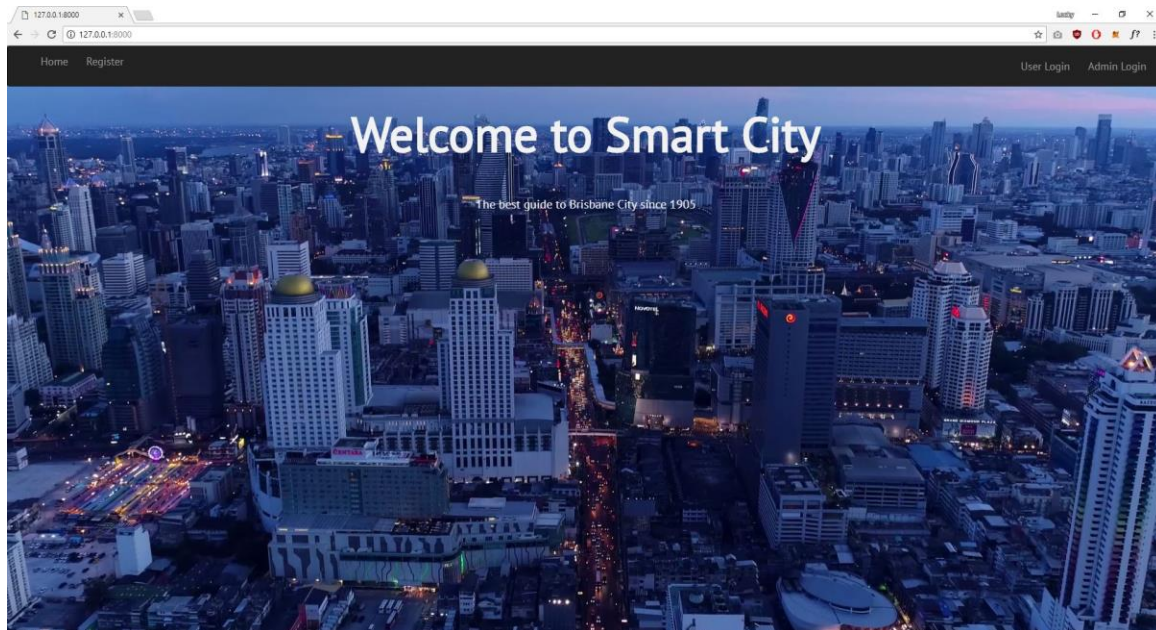
Overall these tests demonstrated that functionality of the web application for sprint 1 was working fully as intended.

## Finalised version browser testing

The application was tested across all major browsers including Google Chrome, Microsoft Edge, Firefox and Safari to see it could maintain its appearance and functionality.

### Google Chrome

#### Index.html



#### Register.html (Top)

A screenshot of a web browser displaying the 'Register.html' page. The browser's address bar shows the URL '127.0.0.1:8000/CityApp/register/'. The page has a dark navigation bar with 'Home' and 'Register' links on the left, and 'User Login' and 'Admin Login' on the right. The main content area has a light beige background. Centered on the page is a white rectangular form titled 'User Registration'. The form contains several input fields with labels: 'Username:', 'First name:', 'Last name:', 'Email address:', 'Password:', 'Phone number:', 'Unit number:', and 'Street number:'. Below the 'Username:' field, there is a small line of text: 'Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.'

## Register.html (Bottom)

A screenshot of a web browser displaying the 'Register.html' page. The browser's address bar shows the URL '127.0.0.1:8000/CityApp/register/'. The page features a central registration form with a light gray background and a subtle drop shadow. The form contains the following fields and elements from top to bottom: a text input for 'Phone number:', a text input for 'Unit number:', a text input for 'Street number:', a text input for 'Suburb:', a text input for 'State:', a text input for 'Postcode:', a dropdown menu for 'User type' with 'Business' selected, and a blue 'Submit' button. The browser window includes standard navigation buttons and a tab labeled 'CityApp Registration'.

## Login.html

A screenshot of a web browser displaying the 'Login.html' page. The browser's address bar shows the URL '127.0.0.1:8000/CityApp/login/'. The page has a dark gray header with 'Home' and 'Register' links on the left, and 'User Login' and 'Admin Login' links on the right. The main content area has a light gray background and features a central login form with a light gray background and a subtle drop shadow. The form is titled 'User Login' and 'Login goes here'. It contains a text input for 'Username:', a text input for 'Password:', and a blue 'Login' button. The browser window includes standard navigation buttons and a tab labeled 'CityApp Registration'.



## adminlogin.html

CityApp Registration

127.0.0.1:8000/CityApp/admin/login/

Home Register User Login Admin Login

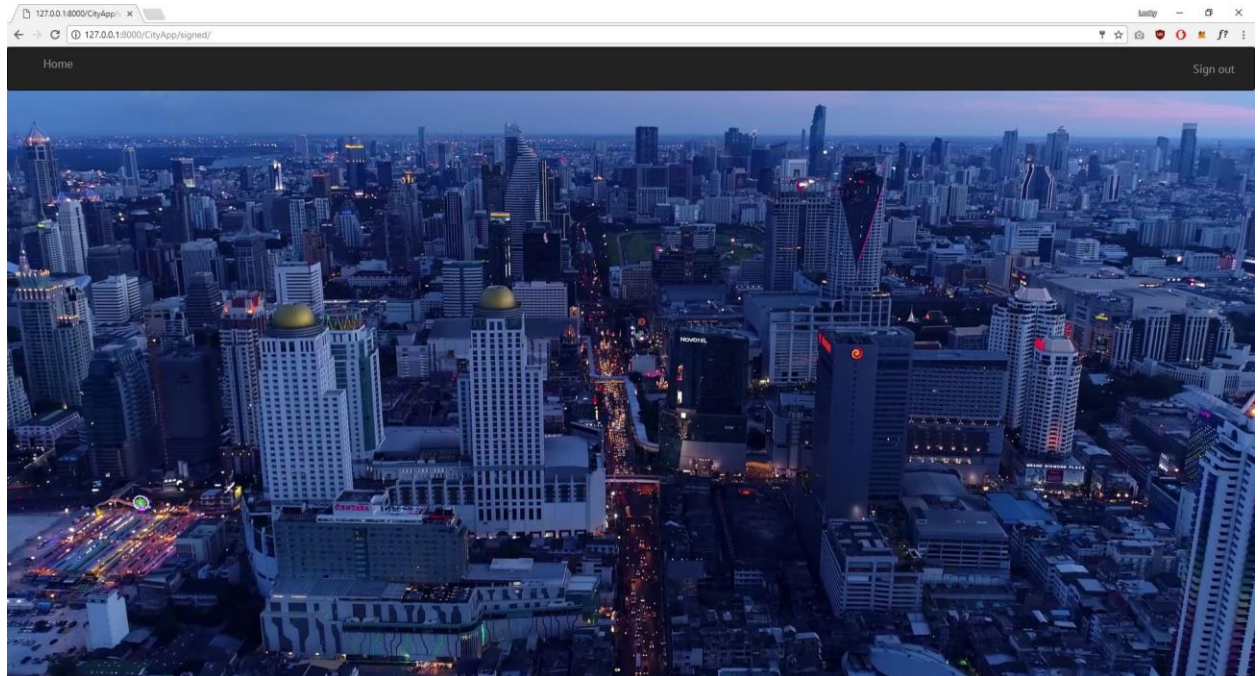
### Admin Login

Username:

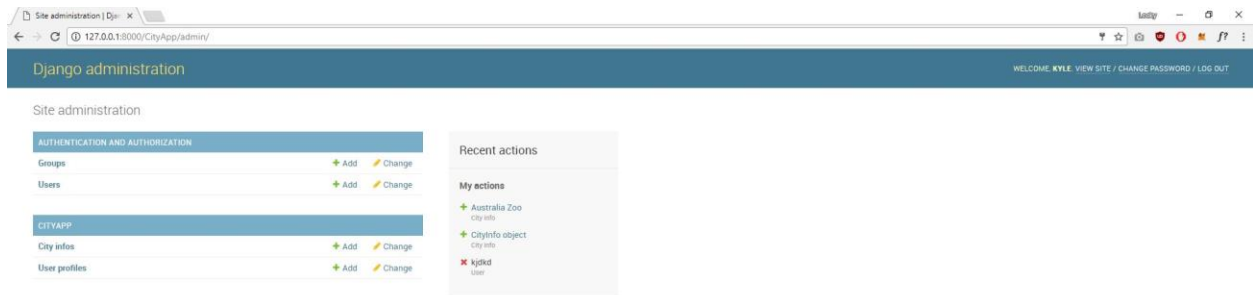
Password:

Login

## signed.html



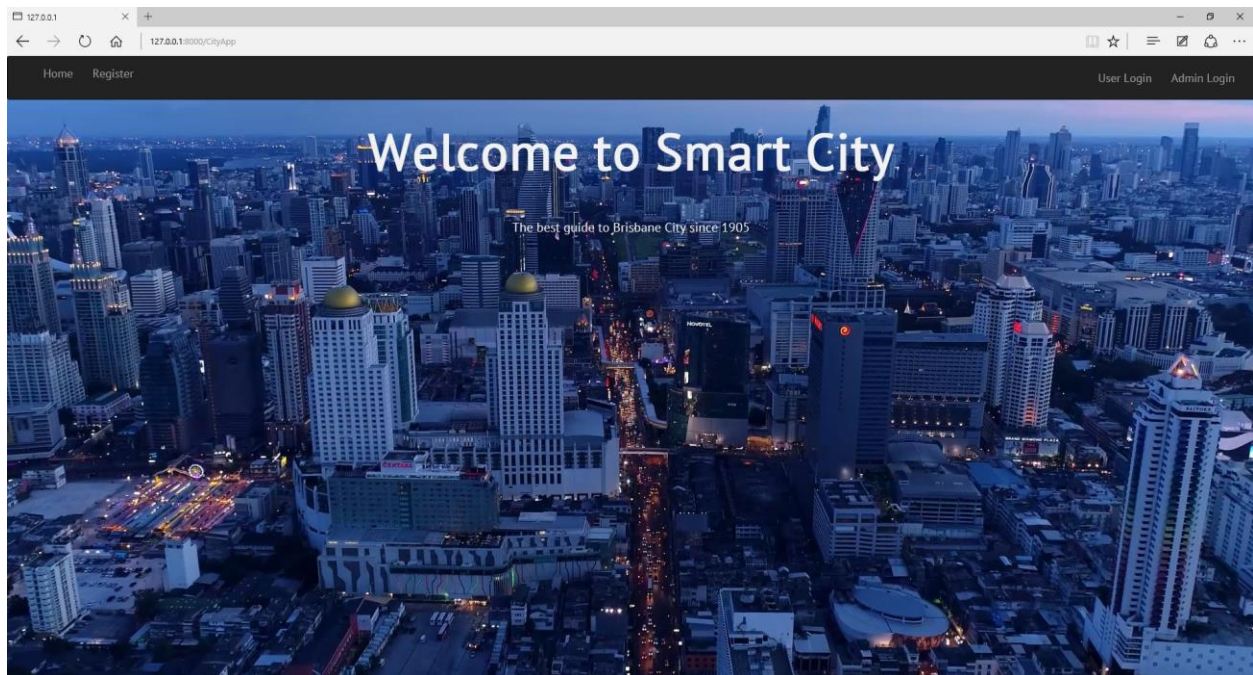
## admin.html



Google Chrome is the world's most used web browser so it is imperative that the application looks its best and makes use of its full functionality in Chrome. The web application was designed in Chrome so most glitches were ironed out very early on. As can be seen from all of the screenshot there are no abnormalities and the website works fully and looks as intended.

## Microsoft Edge

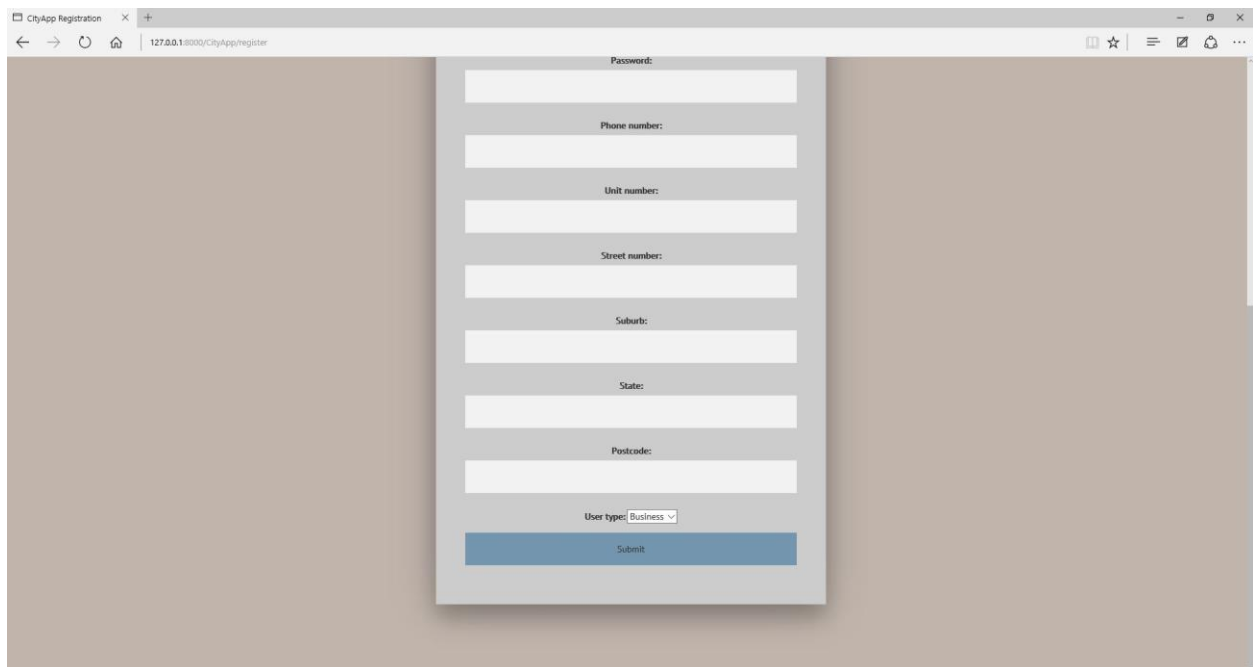
index.html



register.html (Top)

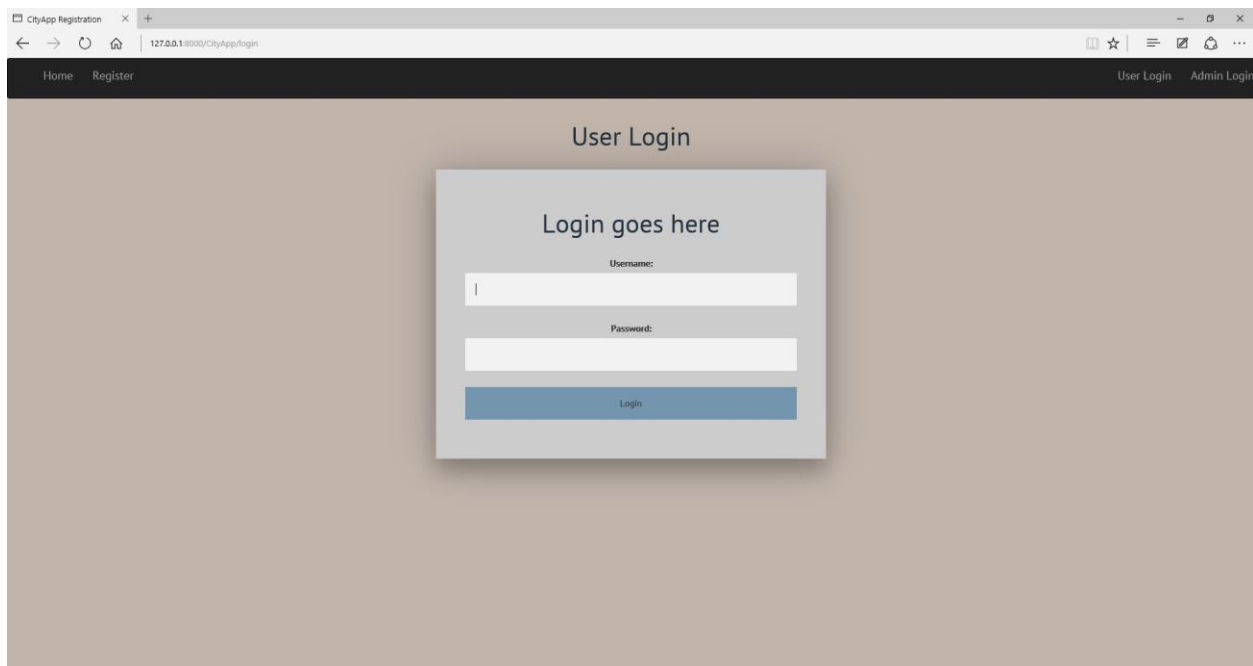
A screenshot of a web browser window showing the register.html page. The browser's address bar displays "127.0.0.1:8000/CityApp/register". The page has a dark navigation bar with "Home" and "Register" links on the left, and "User Login" and "Admin Log" on the right. The main content area has a light beige background. Centered on the page is a white rectangular form titled "User Registration". The form contains several input fields with labels: "Username:" (with a note "Required, 150 characters or fewer. Letters, digits and @/./+/-/\_ only."), "First name:", "Last name:", "Email address:", "Password:", "Phone number:", and "Unit number:". Each label is followed by a white input field.

## register.html (Bottom)



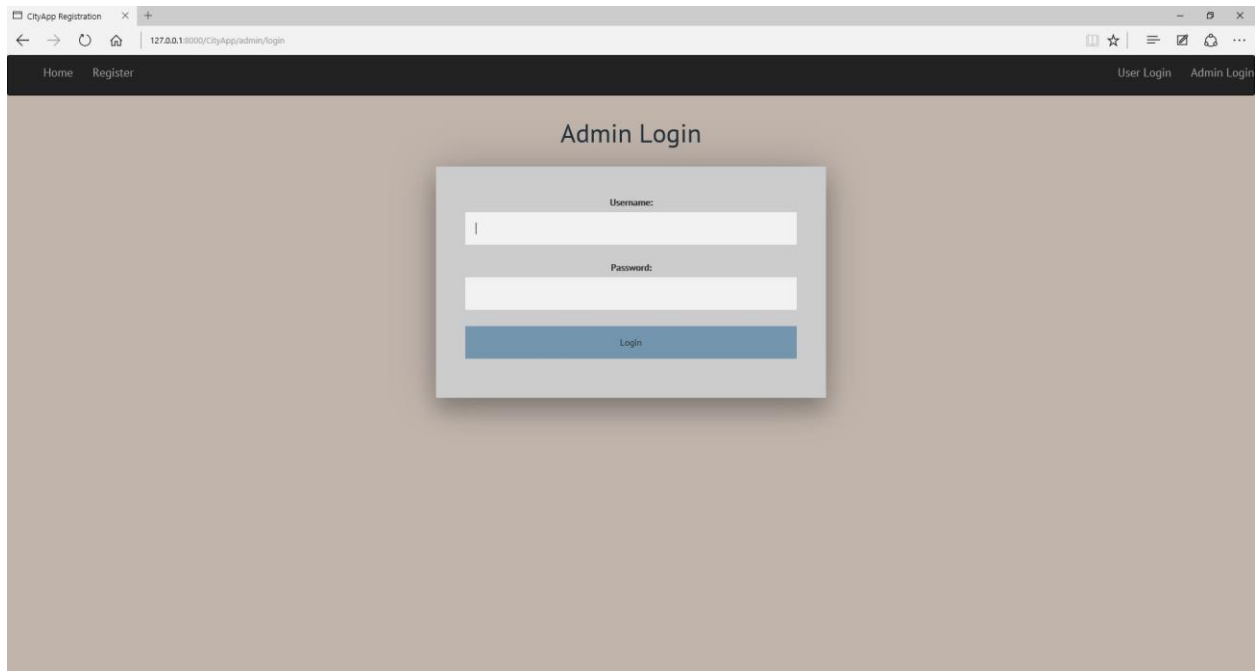
A screenshot of a web browser displaying the registration form at the bottom of the page. The browser's address bar shows the URL `127.0.0.1:8000/CityApp/register`. The form is centered on a light brown background and consists of several input fields stacked vertically, each with a label above it: "Password:", "Phone number:", "Unit number:", "Street number:", "Suburb:", "State:", and "Postcode:". Below these fields is a "User type:" dropdown menu with "Business" selected. At the bottom of the form is a blue "Submit" button.

## login.html



A screenshot of a web browser displaying the login page. The browser's address bar shows the URL `127.0.0.1:8000/CityApp/login`. The page has a dark grey header with navigation links: "Home", "Register", "User Login", and "Admin Login". The main content area has a light brown background. At the top center, the text "User Login" is displayed. Below it, a grey box contains the heading "Login goes here" and a login form. The form includes "Username:" and "Password:" labels above their respective input fields, and a blue "Login" button at the bottom.

adminlogin.html



The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8080/CityApp/admin/login". The page has a dark header with "Home" and "Register" on the left, and "User Login" and "Admin Login" on the right. The main content area has a light beige background with the title "Admin Login" centered. Below the title is a white login form with a light gray border. The form contains two input fields: "Username:" and "Password:", each with a white input box. Below these fields is a blue "Login" button. The browser's address bar also shows "CityApp Registration" as a tab.

CityApp Registration

127.0.0.1:8080/CityApp/admin/login

Home Register User Login Admin Login

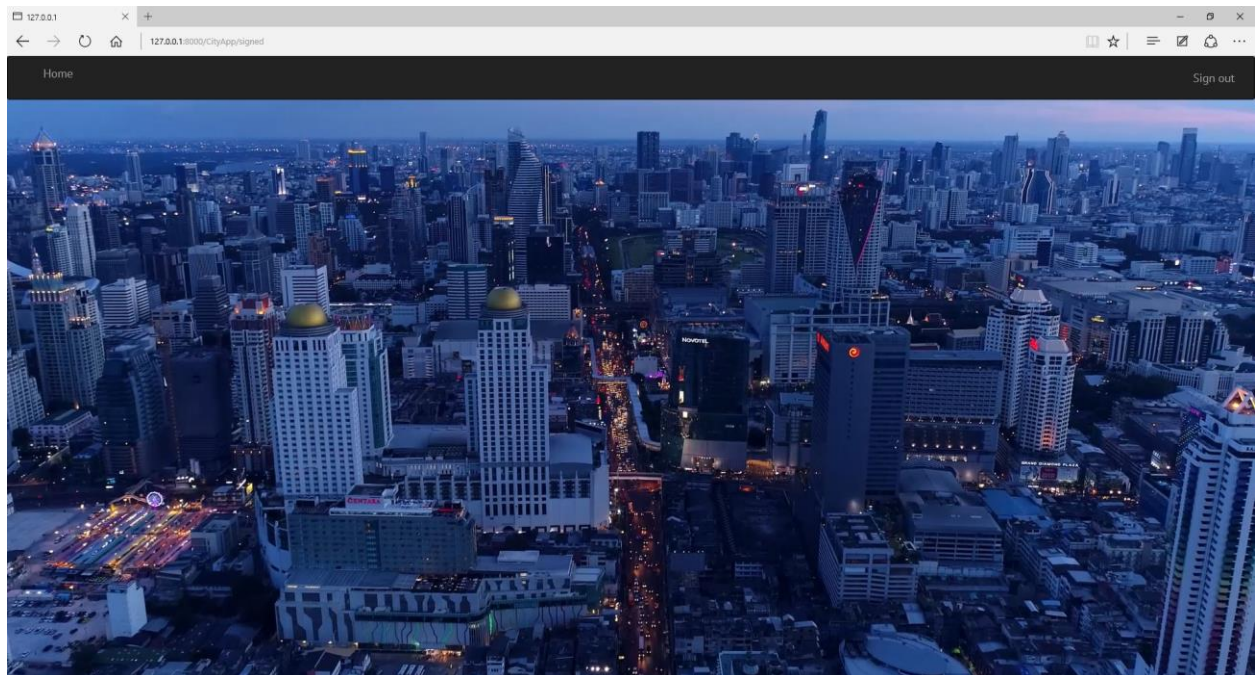
### Admin Login

Username:

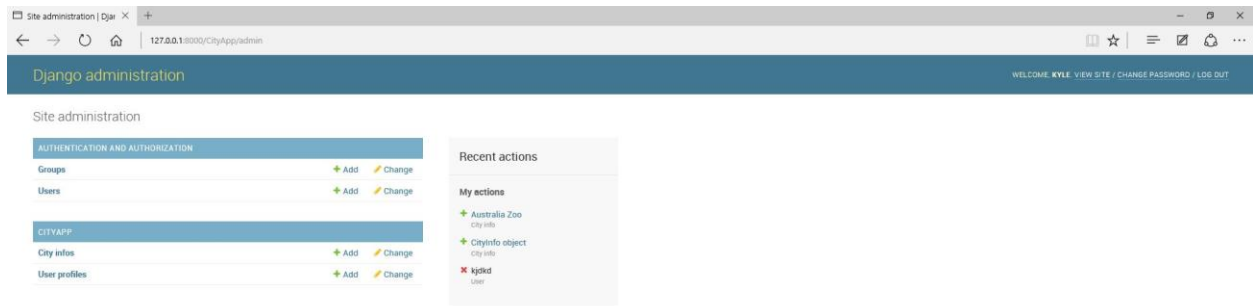
Password:

Login

signed.html



## admin.html

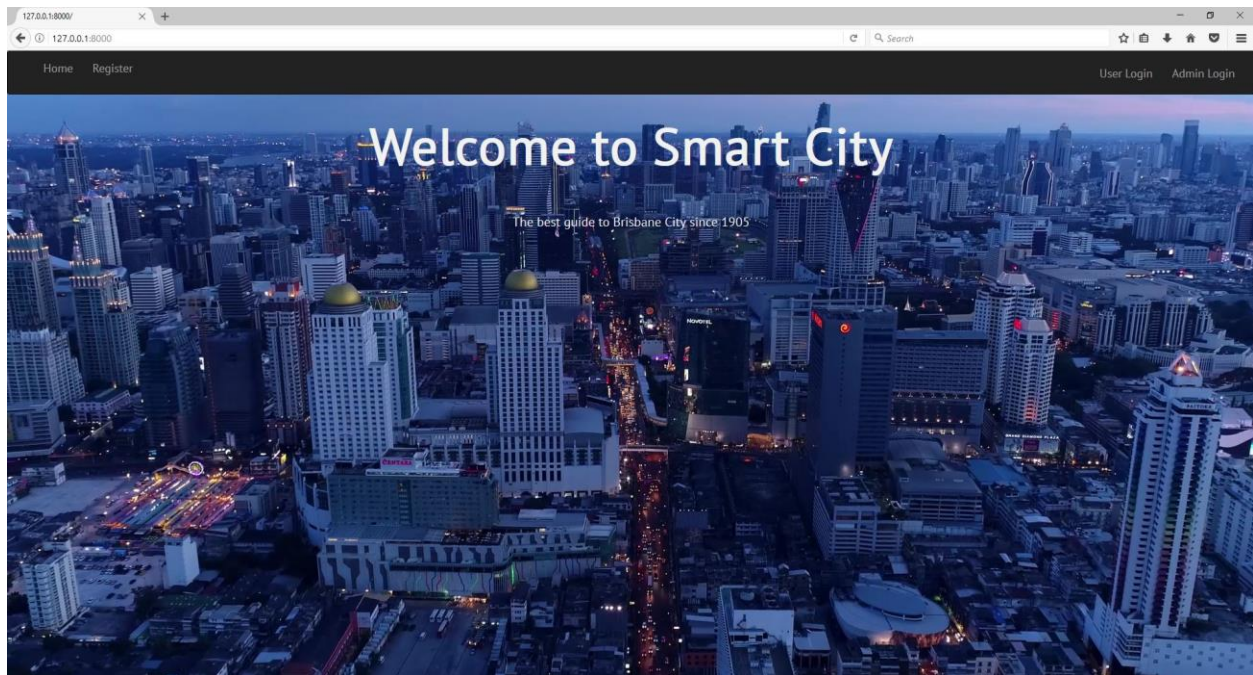


The Microsoft Edge browser whilst not as popular as Chrome is the default browser that comes with all new windows computers and thus it would be expected that the web application looks correct and functions as intended on this browser. As can be seen from the screenshots all pages were examined and all looked and functioned very similar to how they did in Chrome. The only minor differences were in the styles used for the browser for things such as the scroll bar, drop down menu and button styles.



## Firefox

index.html



register.html (Top)

A screenshot of a web browser window displaying the register.html page. The browser's address bar shows the URL '127.0.0.1:8000/CityApps/register/'. The page has a dark header with navigation links: 'Home', 'Register', 'User Login', and 'Admin Login'. The main content area has a light beige background with the title 'User Registration' centered at the top. Below the title is a white registration form with the following fields and labels: 'Username:' followed by a text input field; a note 'Required: 150 characters or fewer. Letters, digits and @/./+/-/\_ only.'; 'First name:' followed by a text input field; 'Last name:' followed by a text input field; 'Email address:' followed by a text input field; 'Password:' followed by a text input field; 'Phone number:' followed by a text input field; 'Unit number:' followed by a text input field; and 'Street number:' followed by a text input field.

## register.html (Bottom)

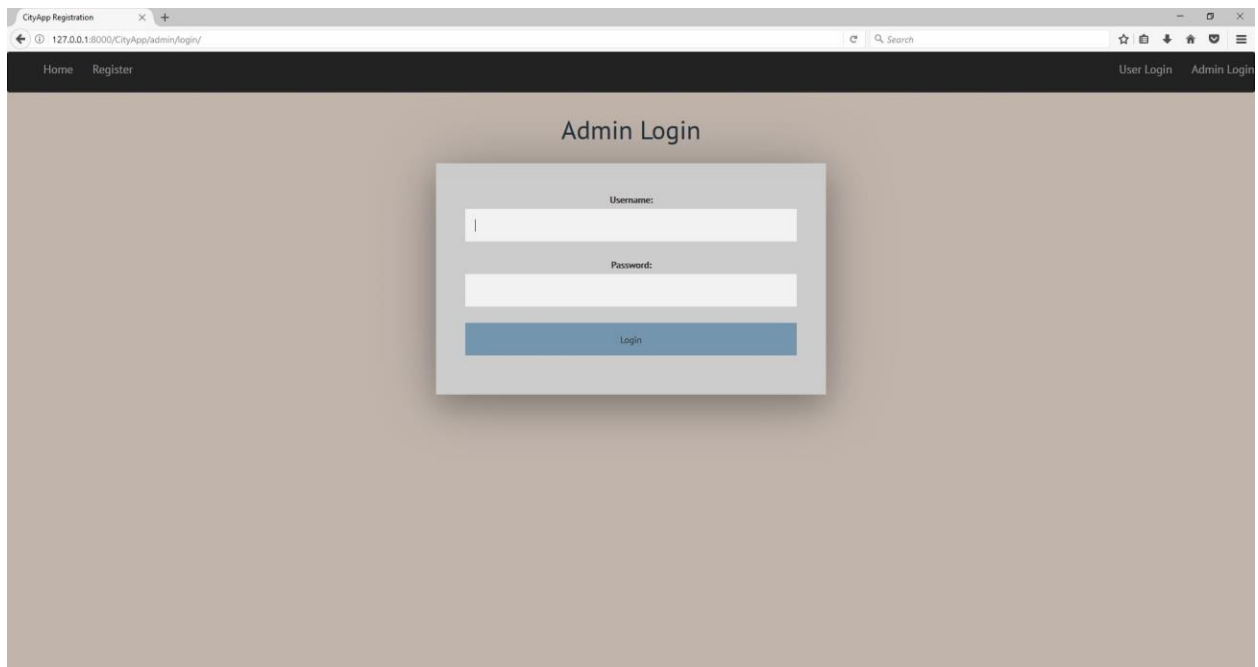
A screenshot of a web browser displaying the 'CityApp Registration' page. The browser's address bar shows the URL '127.0.0.1:8000/CityApp/register/'. The page features a central registration form with a light gray background and a subtle shadow. The form contains the following fields and elements from top to bottom: a 'Phone number:' label followed by a text input field; a 'Unit number:' label followed by a text input field; a 'Street number:' label followed by a text input field; a 'Suburb:' label followed by a text input field; a 'State:' label followed by a text input field; a 'Postcode:' label followed by a text input field; a 'User type:' label with a dropdown menu currently showing 'Business'; and a blue 'Submit' button at the bottom.

## login.html

A screenshot of a web browser displaying the 'CityApp Registration' page, specifically the login section. The browser's address bar shows the URL '127.0.0.1:8000/CityApp/login/'. The page has a dark gray header with navigation links: 'Home', 'Register', 'User Login', and 'Admin Login'. The main content area has a light brown background. Centered on the page is a 'User Login' section with a light gray box containing the text 'Login goes here'. Below this text are two input fields: 'Username:' and 'Password:'. The 'Username:' field has a cursor in it. At the bottom of the box is a blue 'Login' button.

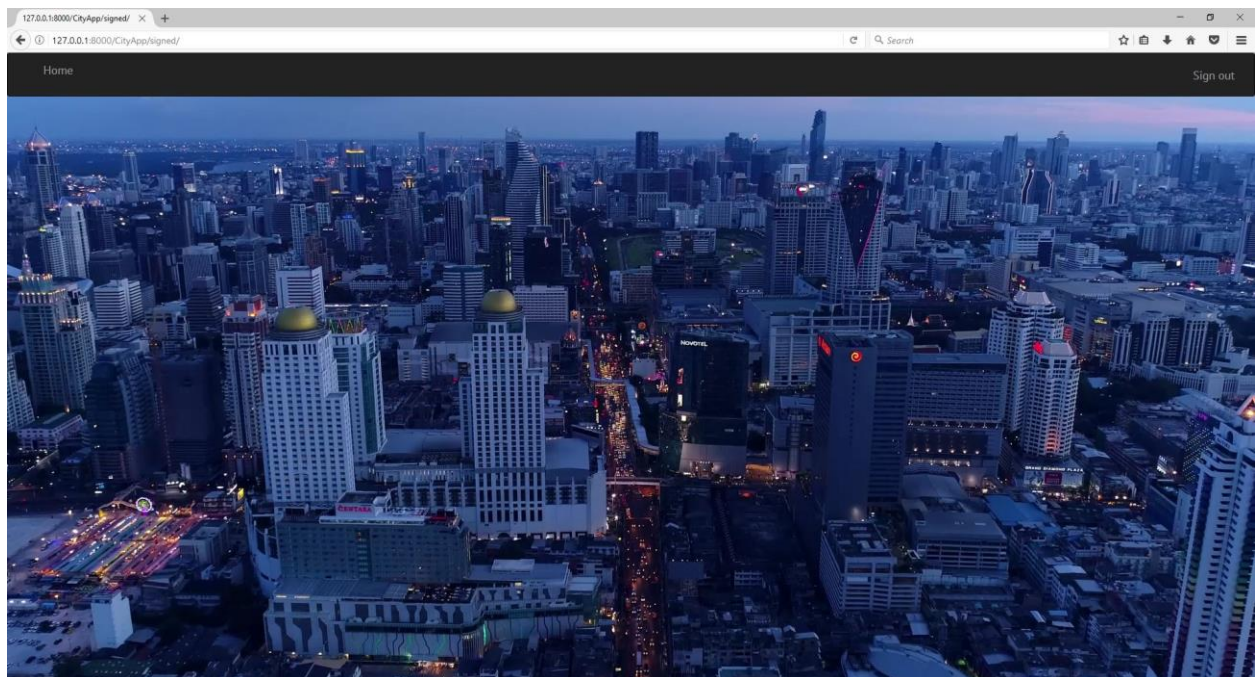


adminlogin.html

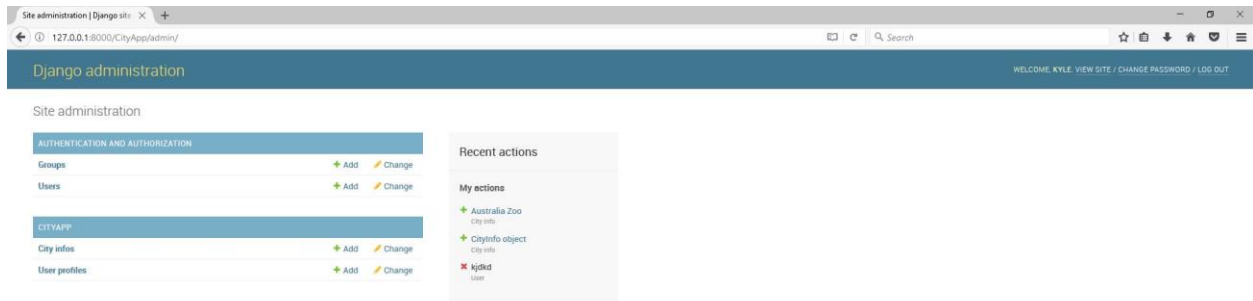


The screenshot shows a web browser window with the title "CityApp Registration". The address bar displays "127.0.0.1:8000/CityApp/admin/login/". The page has a dark header with "Home" and "Register" on the left, and "User Login" and "Admin Login" on the right. The main content area has a light beige background with the title "Admin Login" centered. Below the title is a white login form with a light gray border. The form contains three fields: "Username:" with a text input, "Password:" with a password input, and a blue "Login" button at the bottom.

signed.html



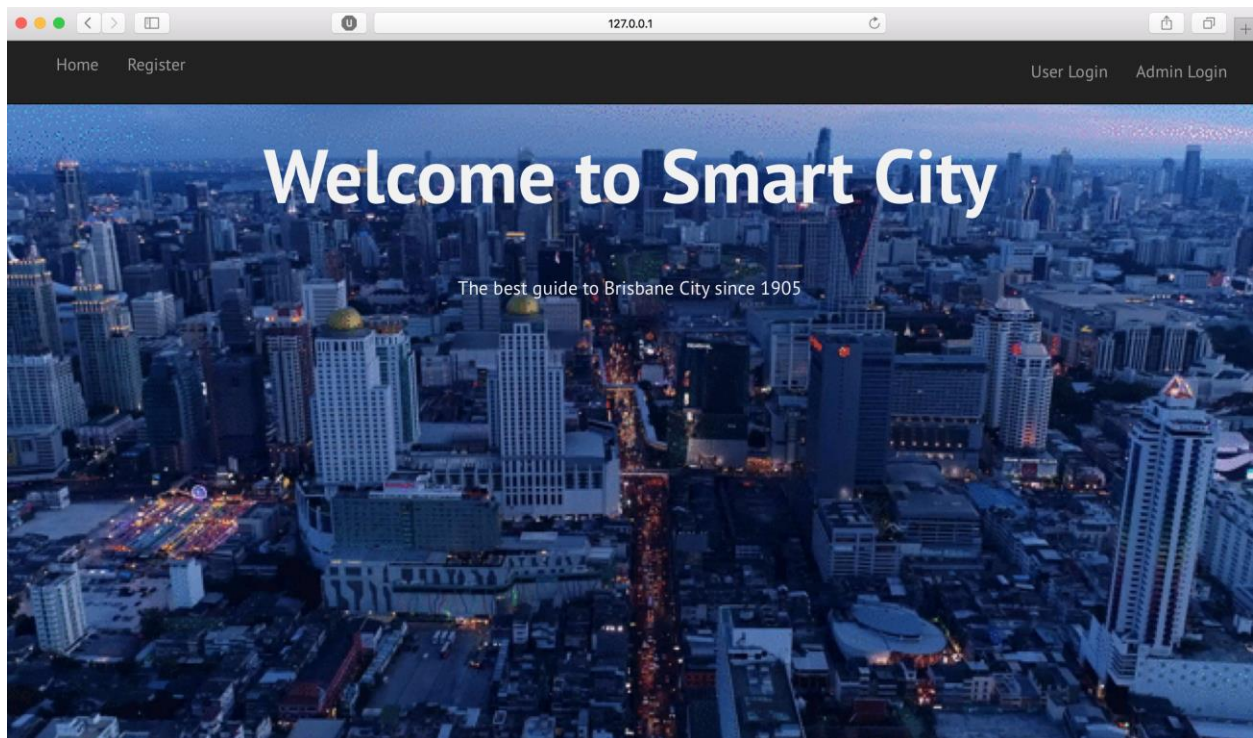
## admin.html



Once again very similarly to Edge the Firefox browser worked with the full functionality of the web application and looked very similar to how it appeared in both Edge and Chrome with the only minor changes being that of the scroll bar, drop down menus and buttons.

Safari

index.html



register.html (Top)

A screenshot of a web browser window displaying the register.html page. The browser's address bar shows the URL 127.0.0.1. The page has a dark header with navigation links: "Home" and "Register" on the left, and "User Login" and "Admin Login" on the right. The main content area has a light beige background. Centered on the page is a white rectangular form titled "User Registration" in a dark, sans-serif font. The form contains several input fields and labels: "Username:" followed by a text input field; a line of text below it stating "Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only."; "First name:" followed by a text input field; "Last name:" followed by a text input field; "Email address:" followed by a text input field; "Password:" followed by a text input field; and "Phone number:" followed by a text input field.

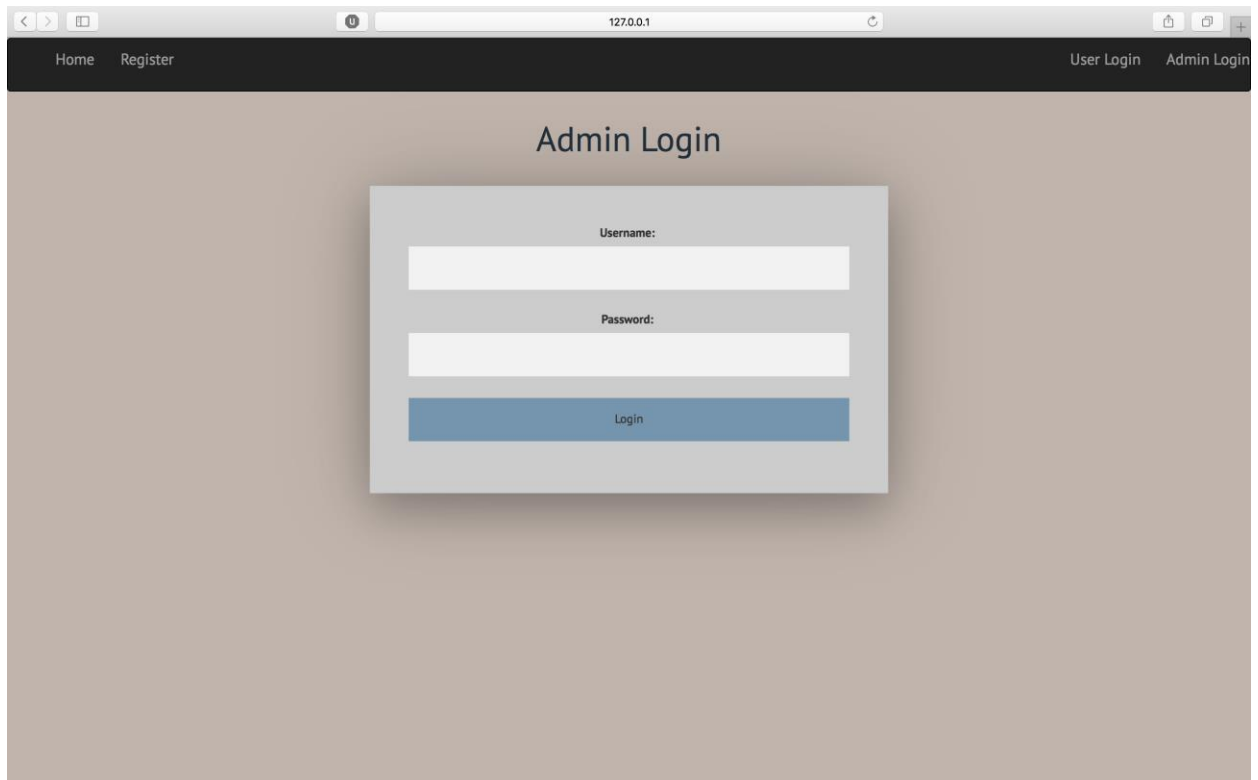
## register.html (Bottom)

A screenshot of a web browser window showing the bottom portion of a registration form. The browser's address bar displays '127.0.0.1'. The form is centered on a light brown background and consists of several white input fields stacked vertically. The labels for these fields are: 'Phone number:', 'Unit number:', 'Street number:', 'Suburb:', 'State:', and 'Postcode:'. Below the 'Postcode' field is a 'User type:' label followed by a dropdown menu currently showing 'Business'. At the bottom of the form is a wide blue button labeled 'Submit'.

## login.html

A screenshot of a web browser window showing the login.html page. The browser's address bar displays '127.0.0.1'. The page has a dark grey header bar with navigation links: 'Home', 'Register', 'User Login', and 'Admin Login'. The main content area has a light brown background. At the top center, the text 'User Login' is displayed. Below it, a grey box contains the text 'Login goes here'. Underneath this text are two white input fields labeled 'Username:' and 'Password:'. At the bottom of the grey box is a wide blue button labeled 'Login'.

adminlogin.html



A screenshot of a web browser displaying the 'Admin Login' page. The browser's address bar shows '127.0.0.1'. The page has a dark header with navigation links: 'Home', 'Register', 'User Login', and 'Admin Login'. The main content area has a light beige background with the title 'Admin Login' centered. Below the title is a white login form with a blue 'Login' button. The form contains two input fields: 'Username:' and 'Password:'. The 'Login' button is a solid blue rectangle with the text 'Login' in white.

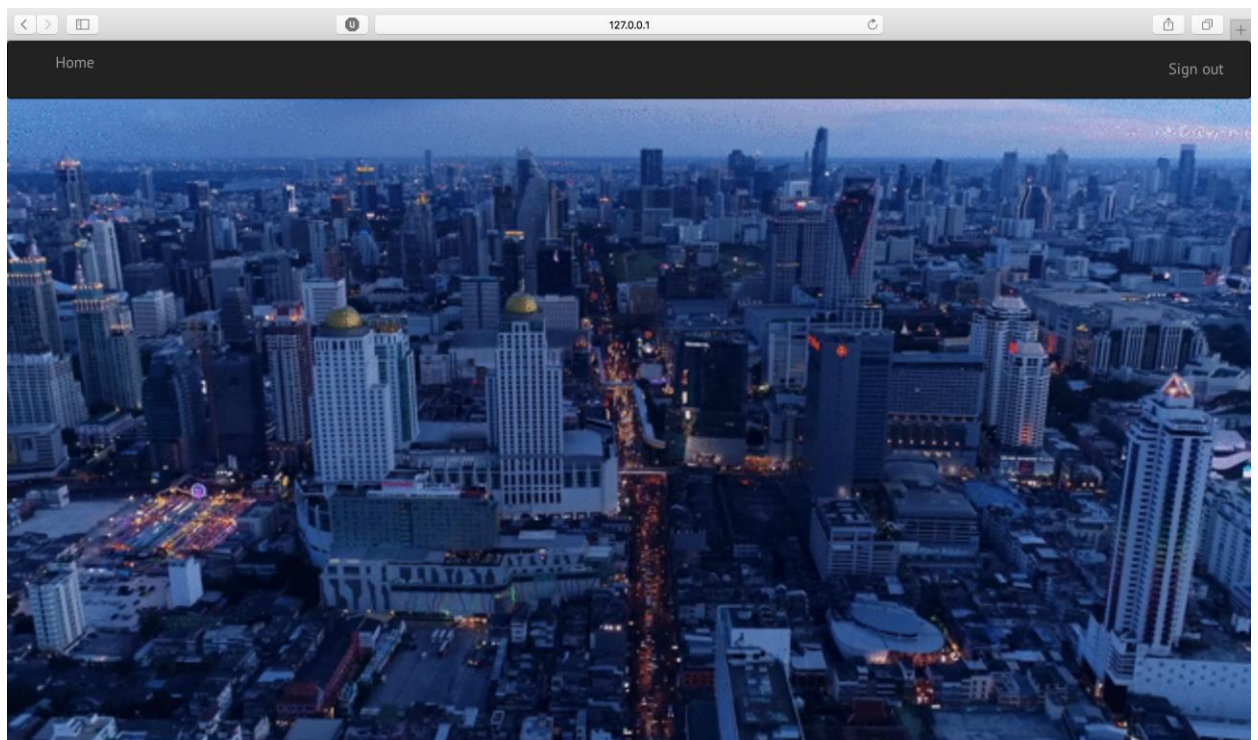
Admin Login

Username:

Password:

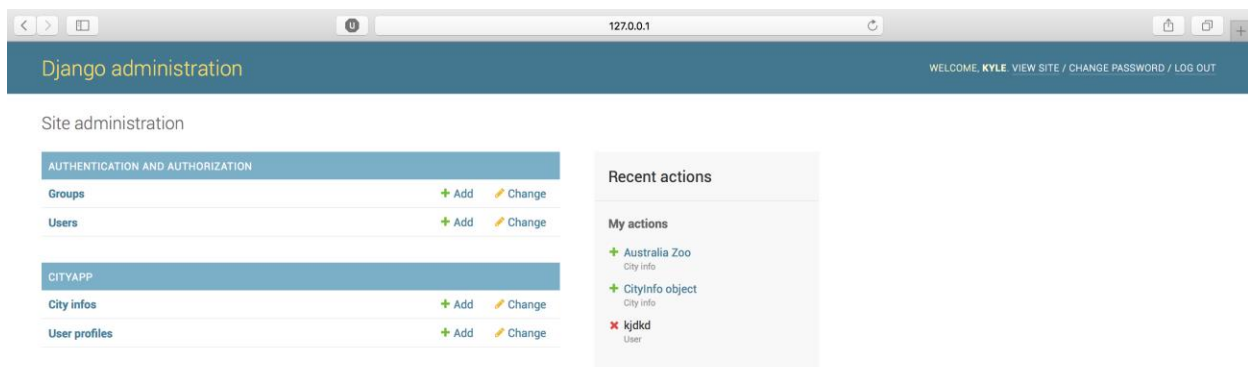
Login

signed.html





admin.html



The Safari browser also needed to be tested as it is the default browser on MacOs and used by many Apple users. Despite this browser being tested on entirely different operating system the results were very much the same. Functionality was complete and appearance was once again identical except for minor style changes such as scroll bar, drop down menus and buttons.

It should be noted that whilst it is good practice to also test the website on mobile devices, due to the nature of this project, it was unable to be tested on mobile devices at this stage. The website is intended to be responsive and does scale as the browser changes size however, once again this website was not able to be tested on specific mobile hardware.

Overall the web application successfully functioned and maintained its appearance across all major browsers, thus passing all tests conducted.