

Integration Testing

Front Page:



The front page is working as intended it shows the current population of the database this value can change as it gets it from the database everytime, this means that if any changes are made the website should refresh.

```
extends layout.pug

block head
  link(rel="stylesheet", href="/index.css")

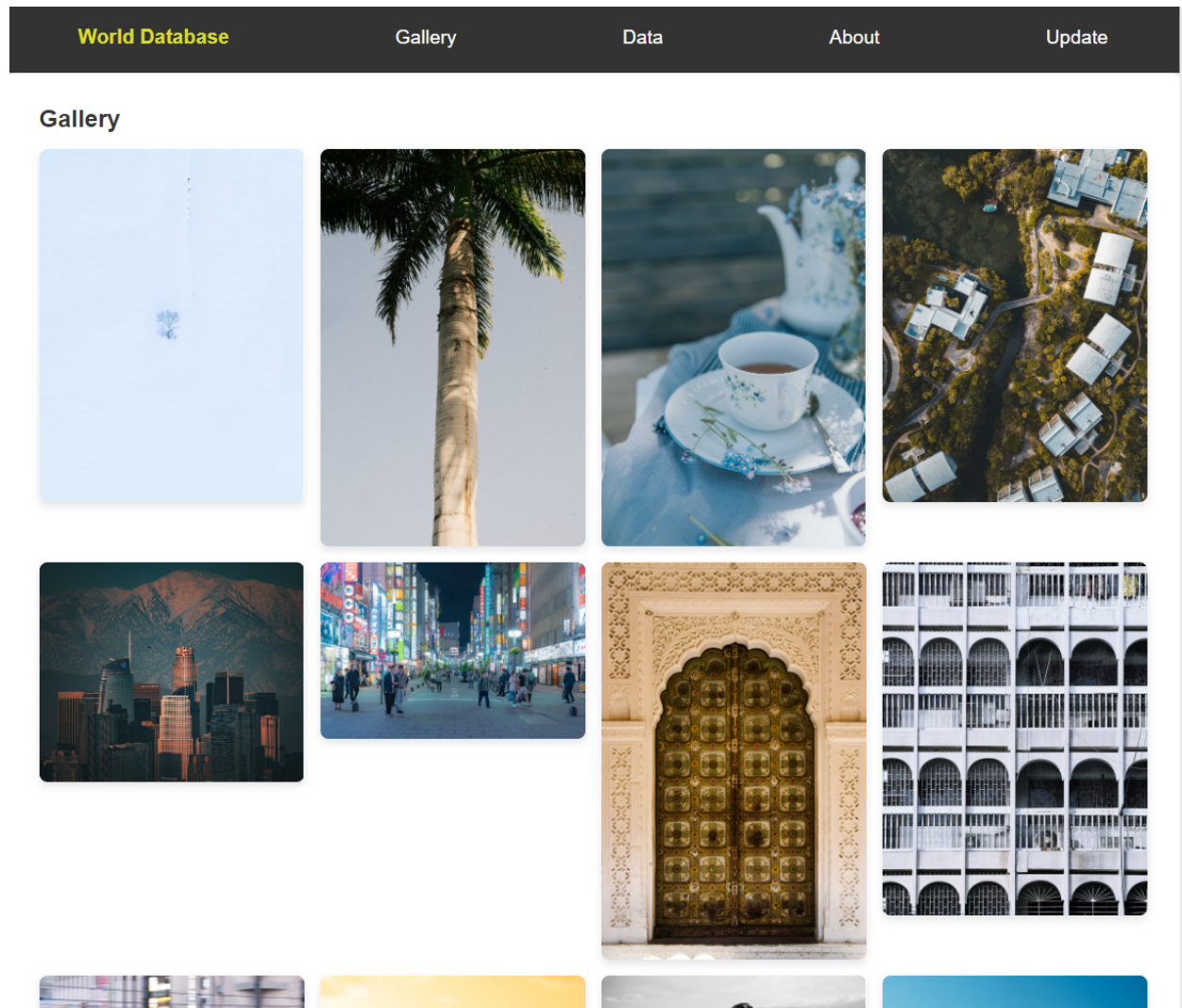
block content
  .intro
    h1(class="title") WELCOME TO THE WORLD DATABASE
    - const population = sumPopulation['SUM(Population)'];
    p(class="text") The population of the world is:
    h2(class="counter counter-animation") #{Number(population).toLocaleString()}
```

This is the front end side of things very simple to keep things responsive and very smooth for the user experience.

```
app.get("/", async (req, res) => {
  try{
    const sumPopulation = await db.execute("SELECT SUM(Population) FROM country");
    //console.log(sumPopulation)
    return res.render("index" , { sumPopulation: sumPopulation[0][0] });
  } catch(err) {
    console.error(err);
  }
})
```

This is the back end part of the code that renders the values and queries the database for the values if there is an error it will show up in the console if it is caught

Gallery:



Currently in a non finished state but it is working we want to add a search bar that will query for one of the countries or cities available in our database.

This is so that a user can see what they might be seeing if they end up travelling to another country or the country/city they are looking for.

```

extends layout

block head
  link(rel="stylesheet", href="/gallery.css")

block content
  h2 Gallery
  .gallery
    each idx in Array.from(Array(40).keys())
      img.gallery-img(src=`https://source.unsplash.com/random/${idx}`, alt="")

```


A very simple code that gets pictures that are currently random however an integration for searching will soon be allowed.(WIP)
We hope to give our users a full experience in our website.

Data:

Select a website to display:

City ▼

Cities, Countries, and Languages

	COUNTRY	CITY
ABW	Aruba	Oranjestad
AFG	Afghanistan	Kabul
AFG	Afghanistan	Qandahar
AFG	Afghanistan	Herat
AFG	Afghanistan	Mazar-e-Sharif
AGO	Angola	Luanda
AGO	Angola	Huambo
AGO	Angola	Lobito
AGO	Angola	Benguela
AGO	Angola	Namibe
AIA	Anguilla	South Hill
AIA	Anguilla	The Valley
ALB	Albania	Tirana
AND	Andorra	Andorra la Vella
ANT	Netherlands Antilles	Willemstad
ARE	United Arab Emirates	Dubai


City

CityCountryCountry language

The website right now can have an overview of the whole database you can select whether you want to view city country or country language this is a big part of our system so there is not too much data on your screen at one time. This makes it so everything is less cluttered and more visually appealing

	COUNTRY
ABW	Aruba
AFG	Afghanistan
AGO	Angola
AIA	Anguilla
ALB	Albania
AND	Andorra
ANT	Netherlands Antilles
ARE	United Arab Emirates
ARG	Argentina
ARM	Armenia
ASM	American Samoa
ATA	Antarctica
ATF	French Southern territories
ATG	Antigua and Barbuda
AUS	Australia
AUT	Austria

When only country is selected

	 COUNTRY	LANGUAGE
ABW	Aruba	Dutch
AFG	Afghanistan	Dari
AFG	Afghanistan	Pashto
AIA	Anguilla	English
ALB	Albania	Albaniana
AND	Andorra	Catalan
ANT	Netherlands Antilles	Dutch
ANT	Netherlands Antilles	Papiamentu
ARE	United Arab Emirates	Arabic
ARG	Argentina	Spanish
ARM	Armenia	Armenian
ASM	American Samoa	English
ASM	American Samoa	Samoan
ATG	Antigua and Barbuda	English
AUS	Australia	English
AUT	Austria	German

When country language is selected.

code:

```
extends layout.pug

block head
  link(rel="stylesheet", href="/cities.css")
  link(rel="stylesheet", href="/animations.css")
  script.
    function onDropdownChange() {
      const dropdown = document.querySelector('select[name="dropdown"]');
      const selectedValue = dropdown.value;

      const table = document.querySelector("table.fade-in");
      table.classList.remove("fade-in");

      setTimeout(() => {
        table.classList.add("fade-in");
        window.location.href = `/cities?value=${selectedValue}`;
      }, 50);
    }

block content
  label Select a website to display:
  select(name='dropdown', onchange="onDropdownChange()")
    option(value='Cities', selected=value === 'Cities') City
    option(value='Country', selected=value === 'Country') Country
    option(value='Country Language', selected=value === 'Country Language') Country language

  if value === "Cities" || value === "Country" || value === "Country Language"
    h2 Cities, Countries, and Languages
    table.fade-in
      thead
        th.text-center
          th Country
          if value === "Cities"
            th City
          if value === "Country Language"
            th Language
      tbody
        each row in rows
          tr
            td.fit #{row.CountryCode}
            td #{row.CountryName}
            if value === "Cities"
              td #{row.CityName}
            if value === "Country Language"
              td #{row.Language}
```

Here we have the code for changes when switching between the selections on the page
I believe this is a good way of making sure

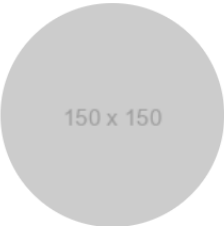
About:

The About page is just a simple page to get to know each person on the project

About Us

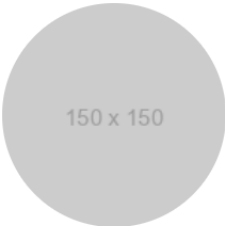
This page is here to give you a short run down of what we're all about. Our goal is to create a simple solution to many people's problems by providing accurate, reliable information in an easy-to-use format.

Meet the Team



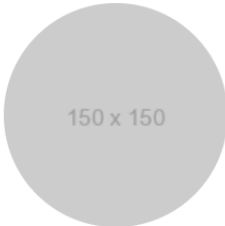
Editor 1

Editor 1 is a dedicated content creator and editor who works tirelessly to ensure the website provides accurate and reliable information to users.



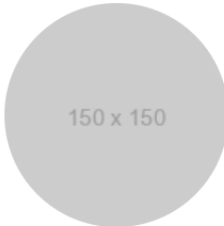
Editor 2

Editor 2 is a skilled writer and editor who brings their expertise to create engaging content that keeps users coming back for more.



Creator 1

Creator 1 is a talented web developer who designed and built the website, ensuring it is user-friendly and easy to navigate.



Creator 2

Creator 2 is a creative visionary who came up with the concept for the website and guided its development, ensuring it meets users' needs.

Our team is dedicated to providing an exceptional user experience and making sure that the content on the website is up-to-date, relevant, and engaging. We are constantly working to improve the site and expand its offerings, so be sure to check back often for new updates and features.

[Go to University of Roehampton Page](https://www.roehampton.ac.uk)

```
extends layout

block head
  link(rel="stylesheet", href="/about.css")

block content
  h1 About Us

  p This page is here to give you a short run down of what we're all about. Our goal is to create a simple solution to many people's problems by providing accurate, reliable information.

  h2 Meet the Team

  .about
    .profile
      img(src="https://via.placeholder.com/150", alt="Person 1")
      h3 Editor 1
      p Editor 1 is a dedicated content creator and editor who works tirelessly to ensure the website provides accurate and reliable information to users.

    .profile
      img(src="https://via.placeholder.com/150", alt="Person 2")
      h3 Editor 2
      p Editor 2 is a skilled writer and editor who brings their expertise to create engaging content that keeps users coming back for more.

    .profile
      img(src="https://via.placeholder.com/150", alt="Person 3")
      h3 Creator 1
      p Creator 1 is a talented web developer who designed and built the website, ensuring it is user-friendly and easy to navigate.

    .profile
      img(src="https://via.placeholder.com/150", alt="Person 4")
      h3 Creator 2
      p Creator 2 is a creative visionary who came up with the concept for the website and guided its development, ensuring it meets users' needs.

  p Our team is dedicated to providing an exceptional user experience and making sure that the content on the website is up-to-date, relevant, and engaging. We are constantly working to improve the site and expand its offerings, so be sure to check back often for new updates and features.

  a.btn(href="https://www.roehampton.ac.uk", target="_blank") Go to University of Roehampton Page
```

Update:

The update page is first introduced with a log in screen to see if a user has access to updating the website , that is currently everything we have on our website.

Update the Database

Email address

We'll never share your email with anyone else.

Password

Submit

```
extends layout.pug

block head
  link(rel="stylesheet", href="/index.css")
  link(rel="stylesheet", href="/update.css")
  //link(rel="stylesheet", href="https://cdn.jsdelivr.net/npm/bootstrap@4.3.1/dist/css/bootstrap.min.css" integrity="sha384-ggOyRbixChMqV3Xipma344MD+hH/1fQ784/j6cY/13TQ0hcW7x93v0")

block content
  h2 Update the Database

  form
    .mb-3
      label.form-label(for='exampleInputEmail1') Email address
      input#exampleInputEmail1.form-control(type='email' aria-describedby='emailHelp')
      #emailHelp.form-text We&apos;ll never share your email with anyone else.
    .mb-3
      label.form-label(for='exampleInputPassword1') Password
      input#exampleInputPassword1.form-control(type='password')
      button.btn.btn-primary(type='submit') Submit
```

the code is very simple form that takes inputs but doesnt do anything yet
Hoewber it does make sure that you are inputting an email