

# *Advanced Web Technologies*



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Set09103

Conor Irvine  
40431650@live.napier.ac.uk

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# 1.Introduction

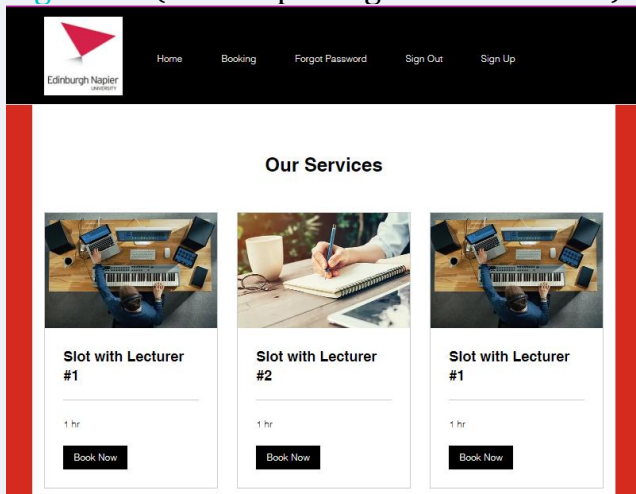
For this project I designed a website that allows users to learn about ireland and any interesting facts they would like to learn about ireland.

I initially proposed the idea to make a booking website for students to book meetings with members of the university. Unfortunately during the development process it grew too difficult to achieve my initial task and I decided to pivot to another approach that seemed much more in reach of what my skillset can provide.

In this report I will be going into details about the initial design of the project, how this changed, the issues I came across during my development process and what learnt from this project as a whole.

## 2.What's Changed

Figure 2.1 (Mock Up Designed on Wix.com)



As you can see above this was the initial mock up, I had made for the design of my website. However, during the process of development, I decided to change my project from a booking website to a tourism site about Ireland as I didn't have the time to implement all of my initial plan. At the rate I was going, my choices where to limited to finishing the booking element of the website and neglect the other features I had in mind, implement the rest of the website and leave the booking element unfinished or change the project to something I could do within the time limit.

Displayed below are some of the pages I designed for the tourism website. The main features I worked for this project where the navigation bar, the slideshows and the registration form.

Figure 2.2

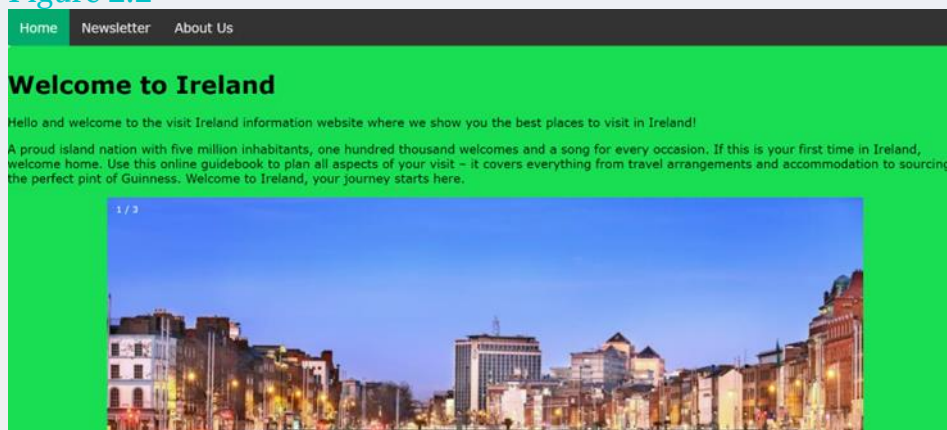
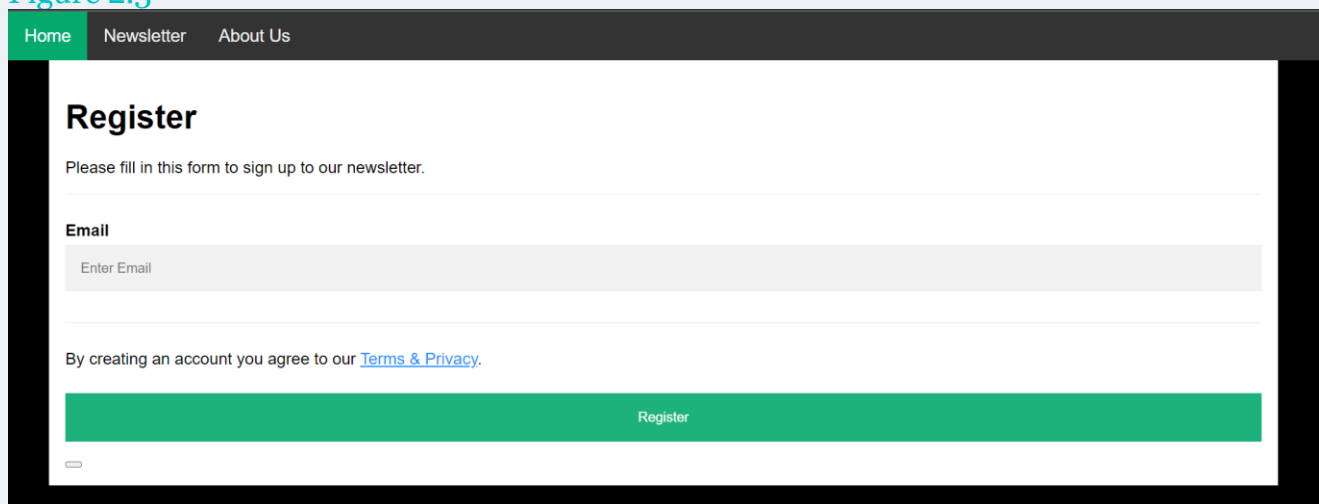


Figure 2.3



### 3. Challenges Faced

I faced many challenges in the completion of this project, some of which I was able to solve, and others left incomplete. The first main challenge I had when creating the website was trying to connect the CSS to all of my HTML templates, I had a great deal of issues trying to get the templates to recognise where to find my styles.css file in its folder. After a while though I was able to input the correct file path so all the HTML templates would connect.

The second main challenge I had with this website was my main.py file not being able to pull the html templates and my styles.css file from their respective folders. This was unfortunately never resolved. I do know could have it working if I kept all the files in one place, but this was messy and disorganized, which I refused to have that way.

My third major challenge was the implementation of flask and the server component of my website. This was another problem I didn't resolve but I did feel could've been fixed with better time management.

My final major challenge was my toughest which was the storing of emails and the sending of a newsletter to the emails I had stored. The problem with this task was I left to the end of my project to resolve which was my downfall as it truly needed much more time to fix than what I had given.

## 4. Reflection and conclusion

In conclusion I found this task to be a difficult one but not in places that I expected. These challenges all came to me at various points but due to poor time management I wasn't able to resolve them. However, I believe my poor time management boiled down to this being the first website I have ever designed and not knowing how to start the project and in what order. I believe given another chance I could certainly do this project much quicker and I now know where to look in the future and what it takes to resolve similar problems I faced in future projects.

## 5. References

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