
Final Year Project Title

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B.Sc.(Hons) in Software Development

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Final Year Project

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About this project

Abstract This project is an Social Media platform where you can create communities, post up discussions and follow your friends. . . . etc etc

Authors Aaron Moran, Conor Shortt, Thomas Kenny.

Chapter 1

Introduction

The final year project requires you to show initiative, consistency and the ability to showcase what you have learned over the course of four years. Three members consist of Aaron Moran, Conor Shortt and Thomas Kenny. We are like minded students that share an interest for learning new skills and developing our ability as computer programmers. We have different skills that when combined complement each other from creativity to problem solving. With our interest in social media we decided early on that a social media website was a project that we felt we all could contribute too. A social media website requires multiple features, the in depth use of a database and an engaging UI. We were confident from the start with the team we have we could develop a website that could meet the standards of the websites out in the world today. Before any developing took place, it was crucial we carried out in depth research into the top social media websites , how we were going to develop it , type of database to use and too draw up a timeline of goals/targets.

Throughout the development of this project, we have used many collaboration tools including GitHub, Slack and Discord. While using these tools we were able to communicate new ideas and solutions to problems we may have been facing. GitHub helped us to track our progress and any mistakes that were made we could easily rollback commits. As we are all working on this project remotely, VOIP was incredibly important as we could communicate instantly, raising any issues we may be having and coming to brainstorming a solution.

The development stack we have chosen is the MERN stack, this consists of MongoDB, ExpressJS, ReactJS and NodeJS. The reason as to why we chose this development stack is because it can be easily divided up between Front-End and Back-End. Although we cross collaborated on both sections and helped each other whenever we were facing any issues, it was easiest to give each team member a main focus. Aaron worked mostly on the Front-End and Thomas and Conor worked together on the Back-End.

Chapter 2

Context

- Provide a context for your project.
- Set out the objectives of the project
- Briefly list each chapter / section and provide a 1-2 line description of what each section contains.
- List the resource URL (GitHub address) for the project and provide a brief list of the main elements at the URL.

2.1 Filler

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2.2 Filler

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Chapter 3

Methodology

About one to two pages. Describe the way you went about your project:

- Agile / incremental and iterative approach to development. Planning, meetings.
- What about validation and testing? Junit or some other framework.
- If team based, did you use GitHub during the development process.
- Selection criteria for algorithms, languages, platforms and technologies.

Check out the nice graphs in Figure 3.2, and the nice diagram in Figure ??.

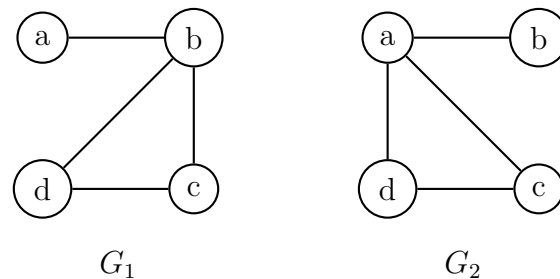


Figure 3.1: Nice pictures

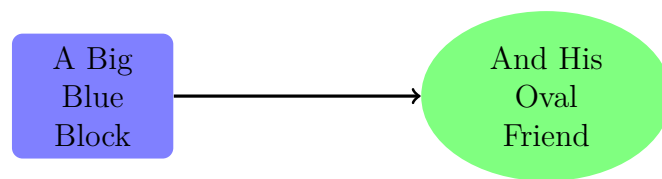


Figure 3.2: Nice pictures

Chapter 4

Technology Review

About seven to ten pages.

- Describe each of the technologies you used at a conceptual level. Standards, Database Model (e.g. MongoDB, CouchDB), XML, WSDL, JSON, JAXP.
- Use references (IEEE format, e.g. [1]), Books, Papers, URLs (timestamp) – sources should be authoritative.

4.1 XML

Here's some nicely formatted XML:

```
<this>
  <looks lookswat="good">
    Good
  </looks>
</this>
```

Chapter 5

System Design

As many pages as needed.

- Architecture, UML etc. An overview of the different components of the system. Diagrams etc... Screen shots etc.

Column 1	Column 2
Rows 2.1	Row 2.2

Table 5.1: A table.

Chapter 6

System Evaluation

As many pages as needed.

- Prove that your software is robust. How? Testing etc.
- Use performance benchmarks (space and time) if algorithmic.
- Measure the outcomes / outputs of your system / software against the objectives from the Introduction.
- Highlight any limitations or opportunities in your approach or technologies used.

Chapter 7

Conclusion

About three pages.

- Briefly summarise your context and ob-jectives (a few lines).
- Highlight your findings from the evalua-tion section / chapter and any opportuni-ties identified.

Bibliography