
WePick – A dynamic web app that creates curated playlists based on multiple user's music preferences using Spotify

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Contents

1	Introduction	4
2	Context	5
2.1	Filler	5
2.1.1	More filler	6
2.2	Filler	6
3	Methodology	8
4	Technology Review	10
4.1	AWS	10
4.2	MongoDB	10
4.3	Flask	10
4.4	Python	11
4.5	Mocha	11
4.6	React	11
5	System Design	12
6	System Evaluation	13
7	Conclusion	14

About this project

Abstract A dynamic web app that creates curated playlists based on multiple user's music preferences using Spotify. Built with React, Flask, Python, Node.js, Mocha, AWS and Mongo.

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Chapter 1

Introduction

The introduction should be about three to five pages long. Make sure you use references [1]

Context for the Project.

Objectives of the Project.

Is the reader 100 percent of what the project is all about

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 ??.

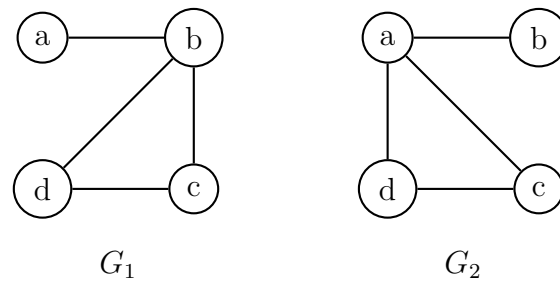


Figure 3.1: Nice pictures



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 AWS

Amazon Web Services offers reliable, scalable, and inexpensive cloud computing services.

```
<this>
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    Good
  </looks>
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4.2 MongoDB

MongoDB is an open-source, document database designed for ease of development and scaling.

4.3 Flask

Flask is a microframework for Python.

4.4 Python

Python is a programming language that lets you work more quickly and integrate your systems more effectively.

4.5 Mocha

Mocha is a JavaScript test framework running on Node.js. Mocha tests run serially, allowing for flexible and accurate reporting

4.6 React

React is a JavaScript library for building user interfaces. React is developed by Facebook. It is a tool for building UI components. React uses Babel to convert JSX (JavaScript XML) into JavaScript. Babel is a JavaScript compiler that can translate markup or programming languages into JavaScript. With Babel, you can use the newest features of JavaScript (ES6 - ECMAScript 2015). [?]

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

- [1] A. Einstein, “Zur Elektrodynamik bewegter Körper. (German) [On the electrodynamics of moving bodies],” *Annalen der Physik*, vol. 322, no. 10, pp. 891–921, 1905.