

CS 1530 - Project Proposal

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 github.com/erichunzeker/SWE-Spring2019

What: What is the project or what is the problem statement in one sentence?

GUS is a solution for the problem of sharing music online but not knowing which web service a person that you're sharing music with is using.

Why: Why is this project or problem solving important to you (what is the socio-economic or technological positive)?

First, it makes sharing and marketing music easier. With a single link that provides access to multiple streaming services, fans and artists can simply share a link that will cover most people's preference of streaming music. We believe that sharing music is important, and in this spirit are developing a webservice with the intent of helping people access music easier.

How: How are you going to solve it? Briefly outline your solution strategy: like technology stack, platform, etc.

We plan to use Flask MVC with API calls to streaming services to populate respective links.

Functional Requirements

Functional Req 1.

IDENTIFIER: **Landing/Home Page**

DESCRIPTION: User is greeted with GUS' homepage when they go the website

PURPOSE: To have a landing page

I/O: I/O

ACTORS/TRIGGERS: User enters "www.url of GUS.ext" in a browser

Functional Req 2.

IDENTIFIER: **Search Bar present**

DESCRIPTION: On the homepage, a search box for querying music is present.

PURPOSE: Easy and straightforward way to query music

I/O: I/O

ACTORS/TRIGGERS: User is on homepage

Functional Req 3.

IDENTIFIER: **Live Query results**

DESCRIPTION: As a user is typing a query in the search bar, a certain number of results are displayed in a list view below the bar in a live updating fashion.

PURPOSE: So user can potentially access a result without having to query in its entirety

I/O: I/O

ACTORS/TRIGGERS: User types the name of existent music

Functional Req 4.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 5.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 6.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 7.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 8.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 9.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Functional Req 10.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Non-Functional Requirements

Non-Functional Req 1.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Non-Functional Req 2.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Non-Functional Req 3.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Non-Functional Req 4.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers

Non-Functional Req 5.

IDENTIFIER: **REQUIREMENT NAME**

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IDENTIFIER: **REQUIREMENT NAME**

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Non-Functional Req 8.

IDENTIFIER: **REQUIREMENT NAME**

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Non-Functional Req 9.

IDENTIFIER: **REQUIREMENT NAME**

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I/O: I/O

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Non-Functional Req 10.

IDENTIFIER: **REQUIREMENT NAME**

DESCRIPTION: Description

PURPOSE: Purpose

I/O: I/O

ACTORS/TRIGGERS: Actors/Triggers