

Software Implementation and Testing Document

For

Group 8

Version 1.0

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1. Programming Languages (5 points)

List the programming languages use in your project, where you use them (what components of your project) and your reason for choosing them (whatever that may be).

Python - We are writing the backend in Python using Flask.

Typescript + React - We are using React for frontend using Typescript. This allows us to use the clear IDE and facilitates collaboration for the frontend.

2. Platforms, APIs, Databases, and other technologies used (5 points)

- 1) Deezer API - this is used to fetch albums fuzzily and give the response to the users. We will also grow our database with the results from this api.
- 2) PostgreSQL - this is the database we are using.

3. Execution-based Functional Testing (10 points)

*Describe how/if you performed functional testing for your project (i.e., tested for the **functional requirements** listed in your RD).*

Tested logically if the

4. Execution-based Non-Functional Testing (10 points)

*Describe how/if you performed non-functional testing for your project (i.e., tested for the **non-functional requirements** listed in your RD).*

5. Non-Execution-based Testing (10 points)

Describe how/if you performed non-execution-based testing (such as code reviews/inspections/walkthroughs).