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Music Player Project

Individual project for Semester 3, containing music  
 storing capabilities and online search integration

Requirements document

Music Player

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# Version Table

|  |  |  |
| --- | --- | --- |
| Version | Date | Info |
| 1.00 | 17.09.2021 | Initial Documentation |

# Product Description

This project is dedicated to making a Web Application with the goal of synchronized music storage. The application is to be made simple with the least amount of buttons and configuration needed. It should be able to save music from local storage to a database/cloud storage system. All uploaded content should be synchronized between all logged in devices on a per user basis. Users should be able to source music online from within the app. The app will be connected to other 3rd party services that will provide the internet music sourcing through their publicly available API’s (Youtube, Spotify). The design is to be kept minimalist and all frontend aspects of should be responsive. The app should be usable from any devices’ browser.

# Product Backlog

User story, Priority (MoSCoW), Duration, Acceptance criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **User Story** | **Priority** | **Duration** |
| 1 | As a User I want to be able to add music on my account, so I can listen to it on all of my devices  **Acceptance Criteria:**   * Store a collection of music linked to an online account | **Must** | **Long** |
| 2 | As a User I want to be able to have playlists, so I can sort through my songs  **Acceptance Criteria:**   * Have multiple folder/directories containing different but not necessarily unique combination of music | **Should** | **Short** |
| 3 | As a User I want to be able to add my downloaded songs, so I don’t have to copy them on all of my devices  **Acceptance Criteria:**   * Upload music from local device to application * Synchronize music between logged in devices | **Must** | **Medium** |
| 4 | As a User I want to have media controls, so I can skip, go back or pause certain songs  **Acceptance Criteria:**   * A fast forward button that skips to the next queued song * A pause and play button that stops the currently playing music or resumes it if stopped * A rewind button that plays the previous song in the queue | **Must** | **Medium** |
| 5 | As a User I want a simple indicator of the current song, so I can check what is playing  **Acceptance Criteria:**   * GUI indicator that displays all available metadata about the current playing song | **Must** | **Short** |
| 6 | As a User I want to have a recommendation page, so I can find new music tailored to my taste  **Acceptance Criteria:**   * Specialized page that displays music that is not in your playlist collections yet | **Could** | **Long** |
| 7 | As an Admin I want to be able to see all Users’ playlists, so I can make sure no inappropriate content is being uploaded  **Acceptance Criteria:**   * Specialized GUI page with user list * Specialized GUI user page with all of their saved music | **Should** | **Medium** |