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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

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| --- | --- | --- |
| Version | Date | Info |
| 1.00 | 17.09.2021 | Initial Documentation |
| 1.10 | 03.10.2021 | Updated and Reformed the User Stories |

# 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 (User Story Count - 1), Estimation (Story Points), Acceptance criteria

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **User Story** | **Priority** | **Estimation** |
| 1 | *As a User I want to be able to have an account, so I can use additional features of the app*  **Acceptance Criteria:**   * User provided credentials (Email, Username, Password) * Valid user provided credentials | **5** | **1** |
| 2 | *As a User I want to be able to play music from the app, so I can listen to my favourite songs*  **Acceptance Criteria:**   * The app should be able to play audio files | **1** | **5** |
| 3 | *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 | **3** | **3** |
| 4 | *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 | **4** | **1** |
| 5 | *As a User I want to be able to add my downloaded songs, so I can play them through the app*  **Acceptance Criteria:**   * Upload music from local device to application | **2** | **5** |
| 6 | *As a User I want to be able to search through my music collection, so I can find my songs faster*  **Acceptance Criteria:**   * GUI search bar that filters displayed songs | **6** | **1** |
| 7 | *As a User I want to be able to search for music within the app, so I can easily find more songs*  **Acceptance Criteria:**   * GUI search bar that shows result of inputted data * Online connectivity to 3rd party services that offer music | **7** | **13** |
| 8 | *As a User I want to be able to have playlists, so I can sort my music collection*  **Acceptance Criteria:**   * Have multiple folder/directories containing different but not necessarily unique combination of music | **8** | **2** |
| 9 | *As a User I want to be able to synchronize my music between my devices, so I can play my music on any device*  **Acceptance Criteria:**   * Keep user uploaded content store in an online database * Give access to user’s content to any logged in device of the account’s holder | **15** | **5** |
| 10 | *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 | **12** | **21** |
| 11 | *As a User I want to be able to find other users on the app, so I can see my friend’s accounts*  **Acceptance Criteria:**   * GUI search bar that displays all users with matching name to the inputted data | **13** | **2** |
| 12 | *As a User I want to be able to see other users playlists, so I can see what other people like listening to*  **Acceptance Criteria:**   * Show playlists and music collections of users on their profile | **14** | **3** |
| 13 | *As an Admin I want to be able to see all Users’ information, so I can navigate through user data easier*  **Acceptance Criteria:**   * Specialized GUI page with user list | **9** | **1** |
| 14 | *As an Admin I want to be able to see all Users’ uploaded content, so I can make sure no inappropriate content is being uploaded*  **Acceptance Criteria:**   * Ability to filter out user uploaded content * Ability to preview user uploaded content | **10** | **2** |
| 15 | *As an Admin I want to be able to have Delete and Update functionality for User content, so I can manage uploaded content easier*  **Acceptance Criteria:**   * Admin GUI option menu that allows for removing user content from the application * Admin GUI option menu that allows for updating user content from the application | **11** | **5** |