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Music Player Project

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

Requirements document

Music player

1. *Product Backlog*
2. *User Stories*
3. As a User I want to be able to save music on my account, so I can listen to it on all of my devices
4. As a User I want to be able to have playlists, so I can sort through my songs
5. 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
6. As a User I want to have media controls, so I can skip, go back or pause certain songs
7. As a User I want a simple indicator of the current song, so I can check what is playing
8. As an Admin I want to be able to see all Users’ playlists, so I can make sure no inappropriate content is being uploaded
9. As a User I want to have a recommendation page, so I can find new music tailored to my taste
10. *Implementation Time Estimate*

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| --- | --- | --- |
| **FR** | **Description** | **Duration** |
| FR-1 | Save music on account | Long |
| FR-2 | Create Playlists | Short |
| FR-3 | Add downloaded songs | Medium |
| FR-4 | Media Controls | Medium |
| FR-5 | Song Indicator | Short |
| FR-6 | Check Users’ uploaded content | Short |
| FR-7 | Recommendation Page | Long |

1. *Implementation Priority (MOSCOW)*

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| --- | --- | --- |
| **FR** | **Description** | **Priority** |
| FR-1 | Save music on account | MUST |
| FR-2 | Create Playlists | MUST |
| FR-3 | Add downloaded songs | COULD |
| FR-4 | Media Controls | MUST |
| FR-5 | Song Indicator | COULD |
| FR-6 | Check Users’ uploaded content | SHOULD |
| FR-7 | Recommendation Page | COULD |

1. *Acceptance Criteria*
2. Functional Requirement : 1 (FR-1)

* Given I want to add a local audio file to my playlists, when I click the add button then a menu should appear asking me to select a local audio file on my machine
* Given I want to add a song I do not have on my local machine ,when I type into the search bar then a audio/video suggestion should appear from an online source

1. Functional Requirement : 2 (FR-2)

* Given I want to create a subdivision of my music, when I press the add playlist button (or Icon) then a new empty playlist should appear

1. Functional Requirement : 3 (FR-3)

* Given I want to upload all of my songs at the same time, when I press a Add More button then a menu should appear asking me to select a folder from which all audio format files will be uploaded

1. Functional Requirement : 4 (FR-4)

* Given I want to skip the currently playing song, when I press the fast forward icon then the current song stops and the application plays the next song in the playlist
* Given I want to pause the current playing song, when I press the play/pause icon the currently playing song stops playing
* Given I want to resume the current playing song, when I press the play/pause icon the currently playing song resumes playing
* Given I want to rewind the previous playing song, when I press the rewind icon the currently playing song stops playing and the previous one in the playlist queue begins to play

1. Functional Requirement : 5 (FR-5)

* Given I want to know which song is currently playing, when I look at the music player screen I want a text to be available with information about the song (Title, Artist, etc.)

1. Functional Requirement : 6 (FR-6)

* Given I want to check if any disruptive files are trying to be uploaded to the system, when I click on a users profile then I should be able to see all of their playlists with songs from the internet and uploaded ones from their personal device

1. Functional Requirement : 7 (FR-7)

* Given I want to see more music based on my taste, when I click the recommendation button then a page should appear with music suggestions based on my previously added music