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Project plan

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# Document versioning

|  |  |  |
| --- | --- | --- |
| Version | Description | Date |
| 0.1 | Start of the basis of the documentation | 12.09.2022 |

# Introduction

The software solution I am working on is a project, which will allow people to easily enjoy the music content available on the website. It will also enable easily making your playlists available for other people and sharing the experience with them. The purpose of it is to make your everyday life easier and take the enjoyment of music to a next level.

# Project backlog

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | As a … | I want to be able to … | So that … | Priority | Sprint | Status | Estimation points (fibonacci) |
| 1 | User | log in | I can access my personal data | Must | 2 | To be started | 1 |
| 2 | User | create an account | I can enjoy the privileges of a user with an account | Must | 2 | To be started | 3 |
| 3 | User | create playlists | I can enjoy different pieces of music | Must |  | To be started | 3 |
| 4 | User | add music content to a playlist | I can add all the pieces of music I want | Must |  | To be started | 3 |
| 5 | User | remove music content from a playlist | I can adjust the content of my playlist to my liking | Must |  | To be started | 3 |
| 6 | User | delete a playlist | I can remove unwanted playlists | Must |  | To be started | 1 |
| 7 | User | share playlists | every user can have access to my playlist | Must |  | To be started | 1 |
| 8 | Guest - user | view content | can decide if I want to get a subscription | Must | 2 | To be started | 1 |
| 9 | User | send suggestions for new music content | the managers can make the content suitable for every user | Could |  | To be started |  |
| 10 | User | view detailed information about the music content | I can retrieve all the info I need regarding the content | Must |  | To be started | 3 |
| 11 | User | retrieve aggregated data regarding the interaction with the content (listeners, followers) | I can view information regarding the popularity of the music content | Must |  | To be started | 8 |
| 12 | User | search music content using different filters | I can access content according to my preferences | Must |  | To be started | 8 |
| 13 | User | search for music content by typing a partial name (artist/title) | I can easily find the content I am looking for | Must |  | To be started | 5 |
| 14 | Manager | add new music content to the application | it meets the expectations of the users | Must |  | To be started | 5 |
| 15 | Manager | delete existing musical content | unnecessary content does not overload the website | Must |  | To be started | 3 |

# Acceptance criteria

1. Log in an account

* All the content and personal data will be displayed
* All the content and personal data will not be displayed if invalid data is entered

1. Creation of an account

* An account with an unused email address and password, that follows the requirements, is created
* An account is not created if invalid data is entered

1. Creating a playlist

* The playlist can have a title
* Given no title is provided the playlist will get a generated name

1. Adding music content to a playlist

* All the music content is available to be added to the playlist
* A particular piece of music can be added to several playlists
* Once added to a playlist a piece of music cannot be added again

1. Removing music content from a playlist

* Every piece of music can be removed from a playlist

1. Deleting a playlist

* Every playlist the user has created can be deleted by them
* No playlist, the user has not created, can be deleted by them

1. Sharing a playlist

* The playlist can be made available for every user of the application
* The playlist can be changed from public to private any time

1. Viewing of content

* The music content is displayed when the application is started
* The music content can be viewed by the (guest -) user

1. Sending suggestions for new music content

* Every user can send suggestions for better content to the managers

1. Viewing detailed information about the music content

* Detailed information about the chosen piece of music is displayed (including artist, number of listeners, title)

1. Retrieving of aggregate data regarding the interaction with the content

* Number of monthly listeners and of times, the piece has been added to a playlist, is shown

1. Searching music content using different filters

* Several filters for the available content are available to choose from
* Results are displayed according to the selected filters
* Nothing is displayed if there are no matching results

1. Searching for content by partial name

* Results matching the provided name are displayed
* If there are no matching results nothing is displayed

1. Adding new music content to the website

* Only signed it managers can add new content

1. Deleting music content

* Only signed it managers can delete existing content

# Deliverables

1. Software solution
2. Database
3. Documentation

* Project plan
* UML
* Design document

# Constraints

During my work process I must follow the given constraints:

* Delivering of a documentation
* Usage of version control system
* Usage of JAVA programming language for the back end
* Usage of JavaScript programming language for the front end
* Usage of frameworks such as Spring Boot