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Project plan

RADIFY

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# Introduction

The software solution I am working on is a project, which will allow people to easily access the music content available on the website. It will enable the simple creation of musical collections and their modification according to the user’s wishes. Sharing of the collections will also be possible by simply making them public and namely accessible for everyone on the application. The software solution will also enable the easy filtering of the music content, as well as searching for it by its title. Users with or without an account will also be able to view detailed information about the songs in the application. Moreover, the application will also allow the admins to easily manage the content, as they are going to have access to panel, related to modifying existing or adding new musical pieces.

Overall, this application will allow the users to personalize musical collection and look for preferred content, as well as serve the people, responsible for the management of the content.

# 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 | Done | 1 |
| 2 | User | create an account | I can enjoy the privileges of a user with an account | Must | 2 | Done | 3 |
| 3 | User | create playlists | I can enjoy different pieces of music | Must | 4 | Done | 3 |
| 4 | User | add music content to a playlist | I can add all the pieces of music I want | Must | 4 | Done | 3 |
| 5 | User | remove music content from a playlist | I can adjust the content of my playlist to my liking | Must | 7 | Done | 3 |
| 6 | User | delete a playlist | I can remove unwanted playlists | Must | 8 | Done | 1 |
| 7 | Guest - user | view content | can decide if I want to get a subscription | Must | 2 | Done | 1 |
| 8 | User | view detailed information about the music content | I can retrieve all the info I need regarding the content | Must | 6 | Done | 3 |
| 9 | User | retrieve aggregated data regarding the interaction with the content (listeners) | I can view information regarding the popularity of the music content | Must | 11 | Done | 8 |
| 12 | User | search for music content by typing a partial title | I can easily find the content I am looking for | Must | 3 | Done | 5 |
| 13 | Manager | add new music content to the application | it meets the expectations of the users | Must | 9 | Done | 5 |
| 14 | Manager | delete existing musical content | unnecessary content does not overload the website | Must | 7 | Done | 3 |
| 15 | User | edit account information | update outdated information | Must | 9 | Done | 5 |

# 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. 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 average monthly listeners during the years, as well as top five songs for the month

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
* Usage of JPA
* Usage of testing frameworks