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Project plan

Music collection system



[Version 2]

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# Problem description

Music, it is everywhere, drives and inspires people to be the best version of themselves. DJs, bar owners, hotel owners and any event planners need a new, easy to use platform, through which they can entertain their audience, share their favorite playlists and communicate with others.

# User stories

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | User story | Priority | Status | | | Story points |
| US-01 | As a listener, I wish to create my own account, so that I can explore the world of music | Must | Finished | | | 3 |
| Acceptance criteria | If registration is successful, an account is created and customer is redirected to the main page  If registration is not successful, customer remains on registration page and is prompted with an error message | | | | | |
| US-02 | As a listener, I wish to log in to my account, so that I can view my favorite music | Must | Finished | | | 3 |
| Acceptance criteria | If log in is successful, customer is redirected to the main page  If log in is not successful, it remains on the log in page | | | | | |
| US-03 | As a listener, I wish to be able to search for songs, instead of scrolling for a long time | Must | Finished | | | 8 |
| Acceptance criteria | The listener inputs parts or the whole name of the song into a search bar and the program displays their song if it exists. | | | | | |
| US-04 | As a Listener, I wish to create my own playlists, so that I can combine my favorite songs | Must | Finished | | | 5 |
| Acceptance criteria | Choose the option to create a playlist and add the songs that you want in it | | | | | |
| US-05 | As a Listener, I wish to access my playlists, so that I can listen to my favorite songs | Must | Finished | | | 5 |
| Acceptance criteria | The contents(songs) of the playlists are displayed when the playlist is selected | | | | | |
| US-06 | As an admin I wish to be able to add, update and remove songs | Must | | To be started | 8 | |
| Acceptance criteria | The admin can add a new song or edit or remove an existing one– | | | | | |
| US-07 | As a Listener, I wish to be able to chat with others on the platform so that we can share opinions | Must | | Finished | 21 | |
| Acceptance criteria | The Listener is able to send and receive messages | | | | | |
| US-08 | As an Admin, I wish to be able to view statistics, so that I can see how my application is doing | Must | | To be started | 21 | |
| Acceptance criteria | The admin can track number of logins over a period of time and most famous playlists over a period of time | | | | | |

# 

# Constraints

1. Make use of a version control system, such as Gitlab
2. Usage of the spring boot framework
3. Usage of a MySQL database
4. Web application deployment on Luna

# Deliverables

1. Software solution that includes:

* A web application with a modern front-end
* MySQL database
* Unit tests

2. Project documentation

# Phasing

|  |  |  |
| --- | --- | --- |
| Sprint | Weeks | Deliverables |
| 1 | Weeks 1-3 | * Project plan * First setup of restful API * Git repository setup |
| 2 | Weeks 4-6 | * Design document version 1 * 1st prototype iteration * Applied research document |
| 3 | Weeks 7-9 | * Design document version 2 * Quality assurance in Git using SonarQube * 2nd prototype iteration Research document |
| 4 | Weeks 10-12 | * Design document version 3 * 1st release version * Quality assurance using SonarQube * UX feedback report |
| 5 | Weeks 13-15 | * Final design document Security report * 2nd release version * Up-to-date product and sprint backlogs and burn-down charts * Websockets implementation |
| 6 | Weeks 16-18 | * Final design document * Final release with Docker integration * Up-to-date product, sprint backlogs and burn-down charts * Web performance review document |