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Project plan

Music collection system

Table of contents

[Problem description 2](#_Toc114262606)

[User stories 3](#_Toc114262607)

[Constraints 4](#_Toc114262608)

[Deliverables 5](#_Toc114262609)

[Phasing 6](#_Toc114262610)

# 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

1. As a user, I wish to create my own account, so I can explore all sorts of music playlists
2. As a user, I wish to log in to my account, so I can view my favorite music
3. As a user, I wish to be able to search for songs, instead of scrolling for a long time
4. As a user, I wish to create my own playlists, so I can easily access my favorite music
5. As a user, I wish to share the songs that I like the most
6. As a user, I wish to communicate with others on the platform, so we can share our opinions

# 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

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| --- | --- | --- |
| 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 |