PROJECT PLAN

S3 IPS - MUZIEKZAALS

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**Version Control:**

|  |  |
| --- | --- |
| 1.0 | 25.02.2022 |
| 2.0 | 21.03.2022 |

# Project description

I will deliver a software solution that will allow the final users to organize and share their music collection with friends using a synchronized listening system.

Users will be able to log in/ out from their own devices, link their account with an existing Spotify account, search for songs using Spotify catalog, create their own playlists, create a Muziekzaal, send invitations to friends to join his Muziekzaal, receive invitations from friends to join their Muziekzaal, join a friends Muziekzaal, and chat with users that are in the same Muziekzaal.

The concept of Muziekzaal comes from the idea of creating a place where people can meet and share their music experience. In this application a Muziekzaal is a private space where groups of friends can synchronize their listening experience and have a chat online.

SUMMARY OF FUNCTIONALITIES

Everybody will be able to make an account using the app or the website.

A registered user will be able to log in/out of the application and his status (connected/disconnected/listening) will be shown to his friends.

A registered user will be able to search for other users and send them friendship invitations.

A registered user will be able to create a Muziekzaal and invite their friends to join.

A registered user will be able to link his account with an Spotify Account.

A registered user with a linked Spotify account will be able to search music using Spotify catalog.

Users that are in the same Muziekzaal and have a linked Spotify account will be able to view the common playlist, search for songs using Spotify catalog, add and remove a song from the playlist, and chat with other users in the same Muziekzaal.

Users that are in the same Muziekzaal and do not have a linked Spotify account will be able to view the common playlist, listen the music, and chat with the other users in the same Muziekzaal.

Users that are in a Muziekzaal will be able to leave the Muziekzaal without log out in the app.

# 2. User Stories

**1. Create account**

Priority: 100%

Estimation: 1 week

User story:

As user

I can create an account

So I will be able to use the application

Acceptance Criteria:

-I can create an account

**2. Delete my account**

Priority: 45%

Estimation: 1 week

User story:

As user

I can delete my account

So my data will be deleted from the system

Acceptance Criteria:

-I can delete my account

**3. Log in**

Priority: 95%

Estimation: 1 week

User story:

As a registered user

I can log in

So I will be able to use the application

Acceptance Criteria:

-I can access my profile

-I can search for other users

**4. Log out**

Priority: 90%

Estimation: 1 week

User story:

As a logged in user

I can log out

So I will be able to close my session

Acceptance Criteria:

-I will not be able to access my profile until I log in again

**5. Link an account to Spotify**

Priority: 60%

Estimation: 2 weeks

User story:

As a logged it user

I can link my account with an already existing Spotify account

So I will be able to search for songs in the catalog

Acceptance Criteria:

-I can link my account with an Spotify account

-I can search songs using Spotify catalog

**6. Send friendship request to registered users**

Priority: 85%

Estimation 2 weeks

User story:

As a logged it user

I can send friendship requests to other registered users

So if they accept they will be added to my contact list

Acceptance Criteria:

-I can search for other users using a filter by name

-I can send a friendship request to a selected user

-I can see the users that accepted my request in my contact list

-I can receive an friendship request

**7. Remove an existing friendship**

Priority: 50%

Estimation: 1 week

User story:

As a logged it user

I can remove users from my contact list

So we will not longer be able to connect.

Acceptance Criteria:

-I can remove an user from my contact list.

**8. Create Muziekzaal**

Priority: 80%

Estimation: 2 week

User story:

As a logged it user

I can create a Muziekzaal

So I will be able to invite friends to join it.

Acceptance Criteria:

-I can create a Muziekzaal (private space to interact with other users)

**9. Invite friend to a Muziekzaal**

Priority: 75%

Estimation: 1 weeks

User story:

As a logged it user

I can invite other users from my contact list to a Muziekzaal in which I am in

So I will be able to share the content of the Muziekzaal

Acceptance Criteria:

-I can send an invitation to any user in my contact list

-I can receive an invitation to join a Muziekzaal

**10. Join a Muziekzaal with a linked Spotify account**

Priority: 55%

Estimation: 2 week

User story:

As a logged it user with a synchronized Spotify account

I can join a Muziekzaal though an invitation

So I will be able to share the content of the Muziekzaal

Acceptance Criteria:

-I can add songs to the synchronized playlist

-I can remove songs from the synchronized playlist

-I can chat with people in the same Muziekzaal

-I can listen the synchronized playlist

**11. Join a Muziekzaal without a linked Spotify account**

Priority: 70%

Estimation: 2 week

User story:

As a logged it user

I can join a Muziekzaal though an invitation

So I will be able to see and listen the content of the Muziekzaal

Acceptance Criteria:

-I can chat with people in the same Muziekzaal

-I can listen the synchronized playlist

**12. Leave a Muziekzaal**

Priority: 45%

Estimation: 1 week

User story:

As an user in a Muziekzaal

I can leave the Muziekzaal

So I will no be able to share content in that Muziekzaal

Acceptance Criteria:

-I can leave the Muziekzaal

-I will stop listening the synchronized playlist

-I will not have access to the Muziekzaal chat.

-I can see my profile

- I will be able to join again while it stills open.

# 3. Prioritization and Estimation table

|  |  |  |
| --- | --- | --- |
| **FUNCTIONALITIES** | **PRIORITY** | **TIME ESTIMATION** |
| 1. Create account | 100 % | 1 week |
| 3. Log In | 95 % | 1 week |
| 4. Log out | 90 % | 1 week |
| 6. Send friendship request to registered users | 85 % | 2 weeks |
| 8. Create Muziekzaal | 80 % | 2 weeks |
| 9. Invite friend to a Muziekzaal | 75 % | 1 weeks |
| 11. Join a Muziekzaal without a linked Spotify account | 70 % | 2 weeks |
| 12. Leave a Muziekzaal | 65 % | 1 week |
| 5. Link an account to Spotify | 60 % | 2 weeks |
| 10. Join a Muziekzaal with a linked Spotify account | 55 % | 2 weeks |
| 7. Remove an existing friendship | 50 % | 1 week |
| 2. Delete account | 45 % | 1 week |
|  |  |  |

# 4. Schedule

I will work under an agile approach. I will work in sprints of 3 weeks, which means that each phase consists of 3 weeks. The first phase or the project is dedicated to research and planning, the second to design and set up of the project, the third, forth and fifth ones to implementation and the sixth one to testing and demonstration.

## 4.1. Time plan

|  |  |  |
| --- | --- | --- |
| **Phasing** | **Start date** | **Finish date** |
| 1     Research and planning | 07/02/2022 | 25/02/2022 |
| 2     Design and set up the project | 26/02/2022 | 25/03/2022 |
| 3     Implementation 1 | 26/03/2022 | 14/04/2022 |
| 4. Implementation 2 | 15/04/2022 | 13/05/2022 |
| 5. Implementation 3 | 14/05/2022 | 03/06/2022 |
| 6. Testing and Demonstration | 04/06/2022 | 17/06/2022 |

## 4.2. Sprint planning

|  |  |
| --- | --- |
| Sprint | Task / User Story /Testing |
| 1 | Project Plan V1.0 |
|  | Write User Stories |
|  | Test Plan V1.0 |
|  | Test Cases V1.0 |
| 2 | Project Plan v2.0 |
|  | Design Document (Architecture C4) v1.0 |
|  | Research Document v1.0 |
|  | 1. Create account (1 week) |
|  | 3. Log In (1 week) |
|  | 4. Log out (1 week) |
| 3 | 6. Send friendship request to registered users (2 weeks) |
|  | 8. Create Muziekzaal (2 weeks) |
| 4 | 9. Invite friend to a Muziekzaal (1 week) |
|  | 11. Join a Muziekzaal without a linked Spotify account (2 weeks) |
|  | 12. Leave a Muziekzaal (1 week) |
| 5 | 5. Link an account to Spotify (2 weeks) |
|  | 10. Join a Muziekzaal with a linked Spotify account (2 weeks) |
|  | 7. Remove an existing friendship (1 week) |
|  | 2. Delete account (1 week) |
| 6 | Test Cases V2.0 |
|  | Test Plan V2.0 |
|  | Prepare Demonstration |

# 5. Risks

|  |  |  |
| --- | --- | --- |
| **Risk** | **Prevention activities** | **Mitigation activities** |
| Teachers or experts are unavailable |  | On line tools |
| Traveling is taking me a lot of time |  | Work from home an online as much as possible |
| I get ill |  | Work from home |
| Laptop crashes and all data is lost | Update git continuously |  |
| Code crashed after implementing new feature or changing a feature | Frequently push new features to git | Revert to the previous stable version |
| I am behind the schedule | Follow the planning as much as possible | Resume that feature keeping in mind the balance between functionalities that should be covered and time |