PROJECT PLAN

S3 IPS - MUZIEKZAALS

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Content

Version Control:

1.0	25.02.2022
2.0	21.03.2022

1. 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