

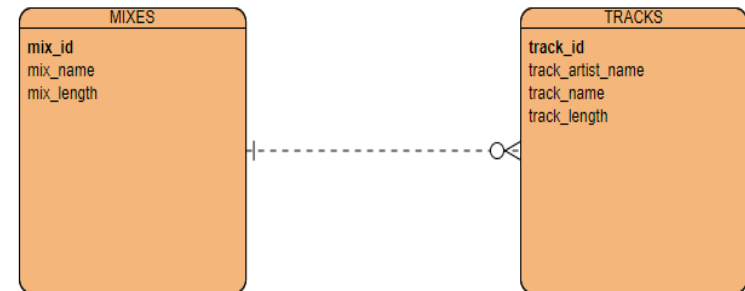
# Hobby Web Application

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# Design

Risk	Response Strategy	Likelihood (1-5)	Impact	Risk Level
Computer crashing causing loss of work	This can be solved through frequent saving whilst working while also pushing onto GitHub.	2	High	30%
Time constraints not allowing for certain features to be completed	Create a plan/schedule which contains achievable targets for project work	3	High	60%
Covid-19 could cause an issue If myself or someone in my household caught it	Keep leaving the house to a minimal to ensure the risk of catching covid-19 is a low as possible	3	High	50%
Internet outage could cause updated work to not be uploaded onto GitHub.	Ensure that internet connection is always stable	1	Medium	20%





- QA-HobbyProject  
Classic software project
- QAHP board
- Roadmap
- Kanban board
- Reports
- Issues
- Components
- Code
- Releases
- Project pages
- Add item
- Project settings

Projects / QA-HobbyProject / QAHP board

## Kanban board

[icon] [icon] Release [icon] [icon]

[icon] [icon] Only My Issues Recently Updated

BACKLOG 5	SELECTED FOR DEVELOPMENT 0	IN PROGRESS 0	DONE 0
<div>As a user I need to be able to delete an item because it may not be available any more</div> <div>QAHP-1</div>			<div>We're only showing recently modified issues.</div> <div>Looking for an older issue?</div>
<div>As a user I need to be able to delete a track because it may not be in a mix</div> <div>QAHP-2</div>			
<div>As a user i need to be able to create an item because it may be available for viewing</div> <div>QAHP-3</div>			
<div>As a user i need to be able to read all items in order to see everything available</div> <div>QAHP-4</div>			
<div>As a user i need to be able to read an individual item to be able to see something in particular</div> <div>QAHP-5</div>			

- QA-HobbyProject

Classic software project

QAHP board

Board

Roadmap

Kanban board

Reports

Issues

Components

Code

Releases

Project pages

Add item

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Projects / QA-HobbyProject / QAHP board

## Kanban board

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Release ▾

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Q

JB

Only My Issues

Recently Updated

BACKLOG 3

As a user I need to be able to delete an item because it may not be available any more

↑

QAHP-1

As a user i need to be able to read an individual item to be able to see something in particular

↑

QAHP-5

As a user I need to be able to update an item in case a mistake was made when inputting it into the database

↑

QAHP-6

SELECTED FOR DEVELOPMENT 0

IN PROGRESS 2

As a user i need to be able to create an item because it may be available for viewing

↑

QAHP-3

As a user i need to be able to read all items in order to see everything available

↑

QAHP-4

DONE 0

We're only showing recently modified issues.

Looking for an older issue?

Projects / QA-HobbyProject / QAHP board

## Kanban board

  Release ▾    Only My Issues Recently Updated

BACKLOG 0

SELECTED FOR DEVELOPMENT 1

As a user i need to be able to read an individual item to be able to see something in particular



QAHP-5

IN PROGRESS 2

As a user I need to be able to delete an item because it may not be available any more



QAHP-1

As a user I need to be able to update an item in case a mistake was made when inputting it into the database



QAHP-6

DONE 2

As a user i need to be able to create an item because it may be available for viewing



QAHP-3

As a user i need to be able to read all items in order to see everything available



QAHP-4

We're only showing recently modified issues.

 Looking for an older issue?

# Continuous Integration



Java source code –  
Spring



Integrated with the  
database server - h2



VCS (Version Control  
System) - Project gets  
tracked through  
Jira/Trello



CI Server such as Jenkins



Build tool – Maven when  
using Java



Automated testing –  
JUnit/Mockito/Selenium



# Consultant Journey

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- Agile – Kanban board, SCRUM methodology
- Source Control –Git and GitHub
- Database – H2 Database
- Programming Language – Java (Spring boot)
- Build tool – Maven
- Testing – Mockito, Junit and Selenium

# Testing

95.0% Test Coverage

35/35 Tests run successfully

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
QA-HobbyProject	95.0 %	2,164	114	2,278
src/main/java	81.8 %	513	114	627
com.qa.hobbyproject.persistence.domain	64.2 %	102	57	159
Tracks.java	64.4 %	56	31	87
Mixes.java	63.9 %	46	26	72
com.qa.hobbyproject.persistence.dto	63.9 %	92	52	144
MixesDTO.java	63.9 %	46	26	72
TracksDTO.java	63.9 %	46	26	72
com.qa.hobbyproject	37.5 %	3	5	8
HobbyProjectApplication.java	37.5 %	3	5	8
com.qa.hobbyproject.config	100.0 %	7	0	7
com.qa.hobbyproject.rest	100.0 %	102	0	102
MixController.java	100.0 %	51	0	51
TrackController.java	100.0 %	51	0	51
com.qa.hobbyproject.services	100.0 %	158	0	158
MixesService.java	100.0 %	79	0	79
TracksService.java	100.0 %	79	0	79
com.qa.hobbyproject.utils	100.0 %	49	0	49
MyBeanUtils.java	100.0 %	49	0	49
src/test/java	100.0 %	1,651	0	1,651





DEMO

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# Sprint Review

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## What went well

- Unit/integration testing completed to a great standard
- CRUD functionality was implemented for both entities

## What didn't go well

- Time management as Selenium testing was not completed
- Some features worked but not as intended



# Conclusion

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- Work on time management to ensure that features implemented function as intended.
- More research on Selenium to ensure that the front end can be tested





Thank you for listening

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Any questions?