TEST PLAN

S3 IPS - MUZIEKZAALS

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Content

Version Control:

1.0	25.02.2022
2.0	14.04.2022

1. Product analysis.

The product will be used by people with an smartphone or laptop and an functional internet connection. The estimated range of age of users goes from 10 to 80 years old and the main purpose of the product will be to facilitate a shared listening for users that are not at the same place.

2. Testing strategy and objectives

The objective of the testing is to ensure that all the functionalities are covered and working as expected, verify that the GUI ensures the usability of the product.

The scope of testing will be the acceptance criteria described in the user stories. I will create a testing plan based on user needs and requirements using acceptance tests for each criteria described in the user stories.

The environment and required resources for the testing will be CI/CD and I will also develop my own tests for some requirements when it is needed.

3. Test Approach

The project is using an agile approach, with weekly iterations based on user stories. The implementation of each user story may take a different time estimation depending on the complexity of the features[1]. At the end of each iteration the requirements identified for that iteration will be tested.

4. Test Cases

See specific document

5. Risks

The following risks have been identified and the appropriate action to mitigate their impact on the project will be taken. The impact of the risk is based on how the project would be affected if the risk was triggered. The trigger is what event would cause the risk to become an issue to be dealt with.

#	Risk	Impact	Trigger	Mitigation Plan
1	As I am not experienced with Java, the time coding could be extended and consequently there could be a delay on testing.	High	Delays in implementation date	Each iteration will be closely monitored. Priorities are set and I will follow it. Since the driver is functionality and not time, it may be necessary to push the date out.
2	Changes to the functionality may negate the tests already written	High	Loss of test cases	Test when and only when the acceptance criteria is defined.

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[1] See "Project Plan", 3. *Prioritization and Estimation table*

	and we may loose test cases already written			
3	Weekly delivery is not possible because iterations are defined by functionalities	Medium	Product did not get delivered on schedule	Every user story has a time estimation measured in weeks.