Choonz Project presentation for client

BY SIRISH, DAVE, AND GEORGE.

Agenda

Technologies used Set up GIT Development Testing Phase The Reveal Sprint Review Sprint retrospective

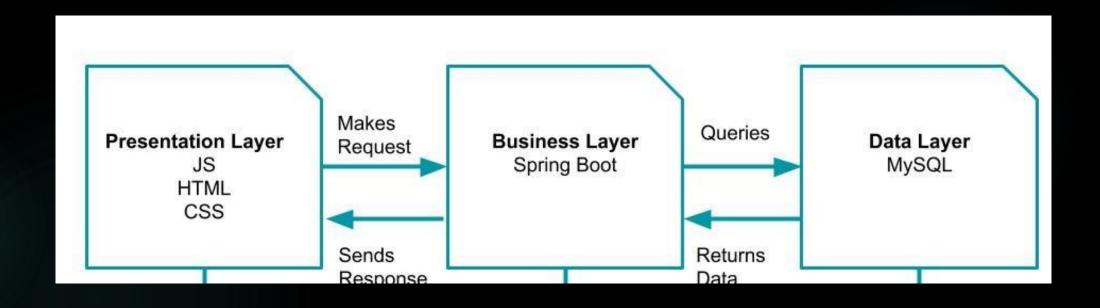
Set up

- Looked at the brief from the client
- Jira
- Created ER and UML diagrams
- Risk Assessment

Technologies Used

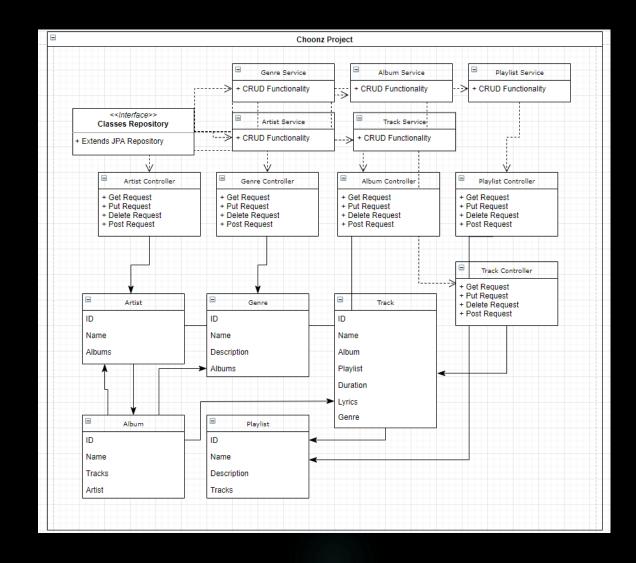
- GitHub
- Jira
- MySQL
- Java
- CSS,HTML, JavaScript
- Spring Boot
- Maven
- ▶ JUnit
- Selenium With Cucumber and Gherkin
- JMETER

Three-Tier Architecture

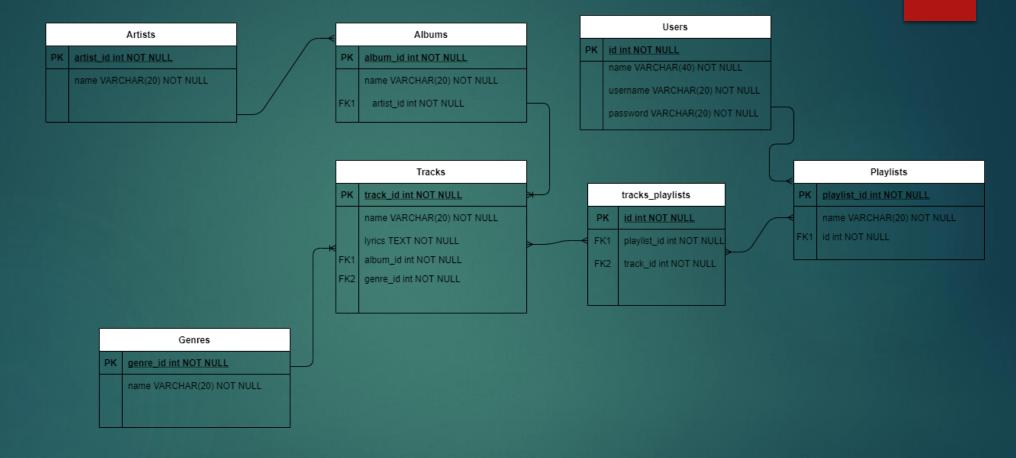


UML

- Visually Represent the system
- Provides a Logical insight



ERD



Helps visualize how data is connected also useful for creating relational database.

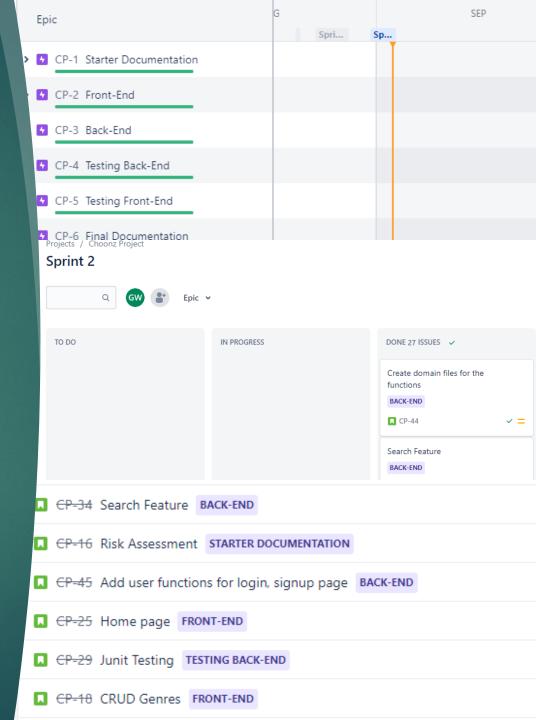
Risk Assessment

- ▶ Identifies, analyses and prioritizes risks
- Shows what may cause failure or loss of the project if they occur

4	Α	В	С	D	E	F	G	Н	1	J	K	L	М	N	0
1		Risk	Statement	Response	Objective	Likelihood	Impact				Minimal	Minor	Moderate	Major	Severe
2	1	Prioritising tasks	IF as a team we focused upon completing the incorrect task first, we will fall behind on more important tasks	While working on the project minimum viable product should be main priority.	Prioritising tasks to leave any unimportant task for last.	8	20		LIKELIHOOO	Guaranteed	5	10	15	20	25
3	2	DAO class testing issue.	While testing the test method wasn't outputing right result therefore failing the test.	I went through alot of different DAO, controller and domain classes to fix the issue	Looking through related classes to find issues and solving them effectivly.	8	12			Expected	4	8	12	16	26
4	3	Falling behind	If I get stuck on a task for too long and it prevents me from doing other tasks.	I will ensure i seek for help from my team mates in order to resolve the problem together	Making sure I seek help when stuck on a problem for too long.	15	20			Likely	3	6	9	12	15
5	4	Database connection issue	There were issues with the to the connection to the only database	With some online research it was soon resolved and solution was found in order to solve the problem.	Ensure thorough research is done on any subject that becomes and issue early on	6	12			Possible	2	4	6	8	10
6		Foreign Key setup	When deleting a entity with foreign key links, it was causing error as they were foreign key constraints on the table	I quickly realised what the error was and altered the tables with foreign key constraint to CASCADE when Update and CASCADE when delete	Planning each table and its constraints effectively	4	4			Unlikely	1	2	3	4	5
7	6	The files get deleted	Should all current syntax get lost or deleted	To ensure all data is backed up onto GitHub and continously upload to ensure minimal loses should it occur	To ensure a backup is always updated on github and ensure all members of the team and continously updating	10	25								
8	7	Wanting to make critical changes last minute	Should something be unready and a last minute change is required	Stick to the proposed plan and ensure any changes are done within the plan	Follow the plan and ensure everybody in the team does also to ensure no changes are required	9	16								
9		Sonarqube Error	Issue getting the project imported.	Went through the sonarqube topic in the community page and researched online for solution.	Refactor our code or sonarqube properties file to get the project imported.	2	2								
10		Test-Data Error	While using the h2 database for testing, the data.sql and schema.sql files were not running as expected which was giving out faulty outputs.	Went through the syntax of the .sql files and the way they were imported to get the issue fix.	Looking through syntax is	12	16								
11		Git Conflicts	While making to changes to our project when we merged our data on git conflicts could occur	We needed to anaylse what was changed and role back / delete any overlapping syntax	Communication so two people dont change the same file is required in order to prevent it	8	20								
12															

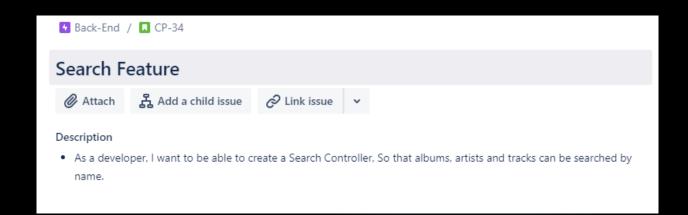
Jira and the Sprint

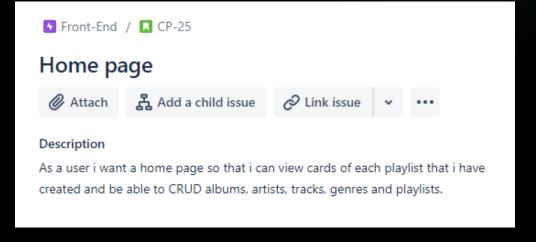
- ▶ Why use Jira?
- Sprints
- Plan



User Stories

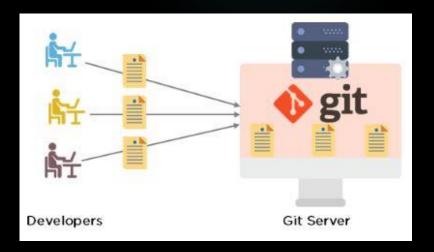
- Provides an insight into what we require
- Shows priority in development





Git

- Version Control
- Track any changes made by one of us
- Git is used to tracking changes in the source code



Git Timeline



Testing Phase

Why test?

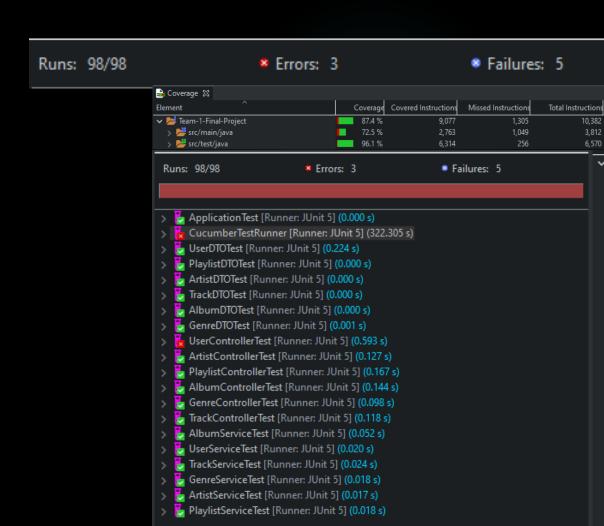
Integration Tests

Unit Tests

User Acceptance Tests

JMeter

Coverage



The reveal

Sprint Review

- Created a finished application for the client
- Problems encountered- git conflicts, front-end design, test issues connecting with SQL

Sprint Retrospective

- Team work experience
- Previous projects helped

Conclusion

Any Questions?