|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PB-ID | ID | Task title | Estimates | Responsible | Status |
| 1 | 1 | Design/Create FXML files and user interface for user. | 1 hour | Dragos | Completed |
| 1 | 2 | Create simple class diagram implanting the core of the program using SOLID | 2 hours | Matas | Completed |
| 1 | **3** | Implement **model** prior to the class diagram. | 3 hours | Chiril | Completed |
| 1 | 4 | Implement **view** package and **viewmodel** package with bindings to the FXML objects prior to the class diagram. | 3 hours | Dan | Completed |
| 1 | 5 | Create **observer** pattern for updating pressed buttons and timer. | 2 hours | Chiril | Not completed |

Sprint Backlog

# Sprint 1#

# Sprint 2#

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PB-ID | ID | Task title | Estimates | Responsible | Status |
| 1 | 1 | Create **observer** pattern for updating pressed buttons and timer.(last sprint leftover) | 2 hours | Dragos | Completed |
| 20 | 2 | Update class diagram with the viewmodel and view classes | 2 hours | Matas | Completed |
| 20 | 3 | Update use case and use case description to accommodate for the music player implementation in the GUI | 2 hours | Chiril | Running |
| 20 | 4 | Create system sequence diagram for the player | 3 hours | Dragos | Not completed |
| 20 | 5 | Attach the music player to the GUI | 4 hours | Dan | Completed |
| 20 | 6 | Test the usability of the player | 3 hours | Matas | Completed |
| 20 | 7 | Document some of the changes and where they occurred | 4 hours | Matas | In progress |
| 2 | 8 | Search for an API for lyrics | 4 hours | Dan | Completed |
| 2 | 9 | Create use case diagram and description for the lyrics API | 4 hours | Chiril | Not completed |
| 2 | 10 | Update class diagram and domain model for the newly added classes | 4 hours | Matas | Not completed |
| 2 | **11** | Implement lyrics API in a console-based app | 4 hours | Dragos | Completed |
| 2 | **12** | Create FXML file for the lyrics | 2 hours | Dan | Completed |
| 2 | **13** | Attach the lyrics implementation to the fxml | 7 hours | Chiril | Completed |
| 2 | **14** | Test the functionality of the lyricsAPI in the GUI | 5 hours | Dragos | Completed |
| 2 | **15** | Document some changes that occurred during this user story | 6 hours | Matas | Completed |
| 4 | **16** | Create use case diagram and description for the play/pause function | 2 hours | Matas | Completed |
| 4 | **17** | Update class diagram to accommodate for the function | 4 hours | Chiril | Not completed |
| 4 | **18** | Bind buttons from the GUI to thee play/pause | 2 hours | Matas | Completed |
| 4 | **19** | Make it interact with the player the pause and play music | 5 hours | Dragos | Completed |
| 4 | **20** | Test functionality | 2 hours | Dan | Not completed |
| 4 | **21** | Document changes | 3 hours | Matas | In progress |

# Sprint 3# (After this sprint the elaboration phase ends <hopefully>)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PB-ID | ID | Task title | Estimates | Responsible | Status |
| 3 | 1 | Create ER diagram for database | 4 hours | Dan | Completed |
| 3 | 2 | Implement database in correlation to the diagram | 20 hours | Dan | Completed |
| 3 | 3 | Add data to the database | 10 hours | Dan | Completed |
| 3 | 4 | Test database | 2 hours | Matas | Completed |
| 21 | **5** | Create Server-Client RMI | 10 hours | Dragos | Completed (Went for sockets) |
| 21 | 6 | Update class diagram and domain model | 3 hours | Matas | Completed |
| 21 | 7 | Document changes | 0.5 hours | Chiril | Completed |
| 21 | 8 | Attach database to the server side | 3 hours | Chiril | Completed |
| 21 | 9 | Test database together with the server side | 1 hour | Matas | Completed |
| 21 | 10 | Implement client side | 5 hours | Matas | Completed |
| 21 | 11 | Document changes | 2 hours | Dragos | Completed |
| 21 | 12 | Test if client can play music from the server | 1 hours | Chiril | Completed |
| 21 | 13 | Create sequence diagram for the Sockets and database implementation | 3 hours | Dragos | Completed |
| 7 | 14 | Make music API continue to play songs | 2 hours | Chiril | Not completed |
| 7 | 15 | Test current state of the program | 2 hours | Chiril | Not completed |

# Sprint 4#

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PB-ID | ID | Task title | Estimates | Responsible | Status |
| 3 | 1 | Add real paths to the songs in the database | 2 hours | Dan | Completed |
| 3 | 2 | Create select function for the table list and play the song when song selected | 3 hours | Dragos | Completed |
| 3 | 3 | Create system sequence diagram for the song list and player interaction | 3 hours | Chiril | Completed |
| 22 | 4 | Do research regarding transforming the code into a runnable clickable app. | 3 hours | Dragos | Completed |
| 22 | 5 | Create the runnable clickable app | 2 hours | Dragos | Completed |
| 6 | 6 | Make the program go to the next songID when a song finishes | 4 hours | Chiril | Completed |
| 6 | 7 | Screenshot any changes and interactions with the database | 2 hours | Dan | Completed |
| 7 | 8 | Create methods to go back and forward | 4 hours | Chiril | Completed |
| 9 | 9 | Make search bar search the server’s database for songs | 10 hours | Dan | Completed |
| 9 | 10 | Screenshots for the changed code and implementations | 2 hours | Matas | Completed |
| 9 | 11 | Update class Diagram and domain model | 4 hours | Dragos | Running |
| 9 | 12 | Use case diagram for the whole working system | 6 hours | Dan | Completed |
| 9 | 13 | JUNIT testing the whole model package | 9 hours | Dragos | Not completed |
| 9 | 14 | JAVADOC the whole model package | 9 hours | Matas | Completed |
| 9 | 15 | Document all the changes into a process report | 9 hours | Chiril | Not completed |

# Sprint 5#

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| PB-ID | ID | Task title | Estimates | Responsible | Status |
| 8 | 1 | Research on how to do playlists efficiently | 4 hours | Dragos | Completed |
| 8 | 2 | Create button to be able to like a song | 2 hours | Matas | Completed |
| 8 | **3** | Create the like song playlist in the database | 4 hours | Dan | Completed |
| 8 | 4 | Make the liked song button display the playlist | 3 hours | Chiril | Not completed |
| 8 | 5 | Update required documentation | 12 hours | Dan | Completed |
| 15 | 6 | Create the login and signup function | 12 hours | Dragos | Completed |
| 15 | 7 | Create use case diagram and use case description for the login function | 4 hours | Matas | Completed |
| 8,15 | 8 | Implement liked song playlist making it unique to every user that signed up. | 10 hours | Chiril | Not completed |
| 15 | 9 | JUNIT testing for the whole existing system | 12 hours | Matas | Completed |
| 15 | 10 | Create process report for the system | 3 hours | Dan | Running |
| 15 | 11 | Update class diagram | 3 hours | Dragos | Not completed |
| 15 | 12 | Create install video and usage of program | 2 hours | Matas | Not completed |
| 15 | 13 | Add every .jar file in the projects folder and split up the client and the server modules into separate projects | 4 hours | Chiril | Completed |