Derivation of use cases:

REQ1: The user will be able to log into their account.

REQ2: The user will have a playlist created for them based on different news topics.

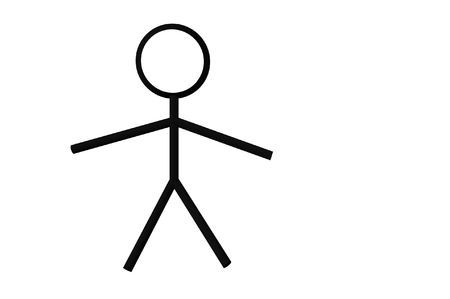
REQ3: The user will be able to specify genres added to the song list.

REQ4: The user can choose the amount of songs in the list.

REQ5: The user can listen to the playlist with their account.

REQ6: Song lengths can be specified by the user.

|  |  |  |
| --- | --- | --- |
| Actor | Actors goal | Use case name |
| Music listener | To log into their account | LogIn (UC-1) |
| Music listener | To have a playlist created based on the news | Playlist (UC-2) |
| Music listener | To be able to specify genres added to the playlist | SpecifyGenre (UC-3) |
| Music listener | To be able to choose quantity of songs for the playlist | SongQuantity (UC-4) |
| Music listener | To listen to the songs in their created playlist | Listen (UC-5) |
| Music listener | To choose the length of songs in their playlist | SongLength (UC-6) |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| REQ | PW | UC-1 | UC-2 | UC-3 | UC-4 | UC-5 | UC-6 |
| REQ1 | 5 | X |  |  |  |  |  |
| REQ2 | 5 |  |  |  |  |  |  |
| REQ3 | 2 |  |  |  |  |  |  |
| REQ4 | 3 |  |  |  |  |  |  |
| REQ5 | 4 |  |  |  |  |  |  |
| REQ6 | 3 |  |  |  |  |  |  |
| Max PW |  |  |  |  |  |  |  |
| Total PW |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| Use case UC-1 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |

|  |  |
| --- | --- |
| Use case UC-2 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |

|  |  |
| --- | --- |
| Use case UC-3 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |

|  |  |
| --- | --- |
| Use case UC-4 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |

|  |  |
| --- | --- |
| Use case UC-5 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |

|  |  |
| --- | --- |
| Use case UC-6 |  |
| Related Requirements |  |
| Initiating Actor |  |
| Actors Goal |  |
| Participating Actors |  |
| Preconditions |  |
| Post conditions |  |
| Flow of events for main success scenario |  |