|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Description** | **Data Type** | **Actual Data** | **Expected Outcome** |
| **Acquiring data from Spotify** | | | | |
| Authorise Spotify user account | Program should be able to request access to a user’s Spotify account and store the returned access token for later use | Valid Spotify username / password combination |  | Valid Spotify access Token |
| Data successfully obtained from Spotify | Show that data collection from Spotify functions correctly, this does not include the account authorisation stage, but rather that the server can obtain data form Spotify, what data does not matter as long as it is the same as requested | Valid access token and API query |  | Spotify returns specified data |
| **Login Pages** | | | | |
| Login and Create Account pages | Login and Create Account pages are sent to the user and are visually functional when the user requests them using http | Page URLS |  | Server should send the pages through http |
| Create Account successfully creates account when valid account data is provided | Create Account page successfully sends correct data to the server, allowing it to correctly create accounts, this must also contain all of the necessary data, and return a correct Account Creation page and message, when all the data sent is valid | Valid and not already used user data |  | Server should send a success message or send the user to an account created page |
| Create Account correctly displays error message when invalid account data is provided | Create Account page throws an error when the user enters data which is not valid or uses data which has been already used and does not overwrite or data the already existing data | Invalid or already used user data |  | Server should stay on page and send an error message to the user, telling them what caused the error |
| Login is successful when correct account credentials are entered | Login page should log the user in when they enter the correct username / password pair | Valid username / password combination |  | The user is logged in, redirecting to a landing page |
| Login is unsuccessful when incorrect credentials are entered | Login should fail when the user enters credentials which are not valid, the page, should not give away whether an account exists with the given username / email but rather a generic failed message in order to comply with security best practises | Invalid username / password combination |  | The user is not logged, however is left on the log in page with a generic error message |
| Login is unsuccessful when almost correct credentials is entered | Login should still fail if the user has entered credentials which are almost correct, such as being incorrectly capitalised or containing additional invalid characters (such as /[]#’,), login should be refused the same as if the password was incorrect | Almost valid user credentials (see left) |  | The user is not logged, however is left on the log in page with a generic error message |