Database Application Proposal

1. **Introduction:**
   1. **Project Topic:**

We propose to develop a Spotify Streaming Data Management System.

* 1. **Data Description:**

For a Spotify Streaming Data Management System: a catalog of users, each user possesses unique attributes, including playlists created, and favored content. Users are connected to playlists, where in each playlist comprises diverse tracks sourced from albums. The authors are the creators of audio content. Authors have associations with albums, and each album encompasses multiple tracks. Individual tracks are associated with specific albums and may involve collaborative efforts between diverse artists.

1. **Team Members and Task Assignment:**

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| --- | --- | --- |
| Team member | email | Tasks |
| Xihai Ren | [Ren00055@algonquinlive.com](mailto:Ren00055@algonquinlive.com) | 1. Proposal writing, title determination, and introduction writing. 2. Task allocation and progress tracking. 3. Data model Integration 4. Users, UserFavorites    1. Data Model Design and Creation    2. Test Data Creation    3. Front-End Form Development    4. Front-End Report Development    5. Page Usage Instruction 5. Front-End Integration and Access File Merging 6. MS-Access file 7. SQL Server Management Studio model file |
| Yanwen Cao | cao00119@algonquinlive.com | 1. Proposal writing, title determination, and introduction writing. 2. Albums,AlbumAudioTracks    1. Data Model Design and Creation    2. Test Data Creation    3. Front-End Form Development    4. Front-End Report Development    5. Page Usage Instruction 3. Data backup, SQL Server backup file 4. Page installation/backup instructions |
| Jasmeen Kaur | [Kaur1289@algonquinlive.com](mailto:Kaur1289@algonquinlive.com) | 1. Proposal writing, title determination, and introduction writing. 2. UserPlayLists,UserPlayListsAudioTracks    1. Data Model Design and Creation    2. Test Data Creation    3. Front-End Form Development    4. Front-End Report Development    5. Page Usage Instruction 3. Page application description |
| Weiting Yang | [Yang0224@algonquinlive.com](mailto:Yang0224@algonquinlive.com) | 1. Proposal writing, title determination, and introduction writing. 2. UserSubscriptions    1. Data Model Design and Creation    2. Test Data Creation    3. Front-End Form Development    4. Front-End Report Development    5. Page Usage Instruction 3. Page Usage Instruction (All) |