



1.EXTERNAL INTERFACES REQUIREMENTS

1.1 User Interfaces:

- *UI-1:* The Tourism App screens shall adhere to a user-friendly design, conforming to the industry-standard User Interface Guidelines for Mobile Applications, Version 2.0.
- *UI-2:* The app shall feature a help link on each screen, providing users with guidance on how to navigate and utilize specific functionalities.

1.2 Software Interfaces:

SI-1: External Systems Interaction

SI-1.1: The app shall periodically poll external databases to update artist information, ensuring that the content remains current and relevant.

SI-2: Social Media Integration

- *SI-2.1:* The app shall provide the option for users to share artist information on social media platforms through a seamless integration interface.

1.3 Communications Interfaces:

- *CI-1:* The app shall send push notifications to users to confirm their artist preferences and notify them of any relevant updates..

2. Quality Attributes

2.1 Usability Requirements:

- *USE-1*: The App shall enable users to effortlessly browse and select artists of interest with a single interaction.
- *USE-2*: A minimum of 95% of new users should be able to successfully explore and engage with the app without encountering errors on their initial use.

2.2 Performance Requirements:

- *PER-1*: The app should accommodate up to 500 concurrent users during peak hours, ensuring a smooth and responsive experience.
- *PER-2*: Loading artist information screens must be completed within 5 seconds over a standard 4G internet connection.
- *PER-3*: User interactions, such as artist preferences and comments, shall be processed and displayed within an average of 3 seconds, with a maximum delay of 6 seconds.

2.3 Security Requirements:

- *SEC-1*: All user data, including artist preferences and comments, shall be encrypted to ensure the confidentiality and integrity of the information.
- *SEC-2*: Users will be required to log in for all operations within the app, promoting secure access and personalized experiences.
- *SEC-3*: Only authorized administrators shall have the ability to modify or update artist information to maintain data integrity.

2.4 Safety Requirements:

- *SAF-1*: The app shall provide clear warnings about potentially sensitive content or artist information to ensure user safety.

2.5 Availability Requirements:

- *AVL-1*: The Artist Collection App should be available at least 98% of the time between 6:00 AM and 11:59 PM local time and at least 90% of the time between midnight and 6:00 AM local time, excluding scheduled maintenance windows.

2.6 Robustness Requirements:

- *ROB-1*: In the event of a network interruption, the app shall enable users to recover any incomplete actions, such as artist preferences or comments, and seamlessly continue the interaction upon reconnection.