

# Software Requirements Specification (SRS)

## AI Music Recommender System

### **Snapshots 1–4**

Version 4.0

Project Group 5

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## Version Description

Version	Description	Date	
1.0	Initial SRS for Snapshot 1 of the AI Music Recommender System. Core functionality: authentication, basic playback, interaction logging, and baseline recommendations.	December 2025	7,
2.0	SRS updated for Snapshot 2. Adds mood-based recommendation feature and corresponding requirements.	December 2025	7,
3.0	SRS updated for Snapshot 3. Adds social and collaborative recommendation features such as following users and friends' picks.	December 2025	7,
4.0	Final SRS for Snapshot 4. Adds Quick Mix feature, refinement requirements, and explicit future work.	December 2025	7,

















## 4.4 Future Work

Potential future improvements include:

- Integration of more advanced machine learning models for music recommendation and mood detection.
- Support for richer context signals such as time of day, activity, or device location.
- Deeper social features such as collaborative playlist editing and comments.
- Enhanced explainability for recommendations (e.g., showing why a song was recommended).

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## Glossary

Acronym	Meaning
UI	User Interface
API	Application Programming Interface
DB	Database
SRS	Software Requirements Specification
SDD	Software Design Document
ML	Machine Learning