

Project Design Phase-II

Data Flow Diagram & User Stories

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Team Members	Swayam S, Atharva Chore, Shrivatsa Deshpande
Project Name	Project - Podcast Plus App

Data Flow Diagrams:



The key flows are:

- User searches for and subscribes to podcasts using the app interface
- App fetches podcast data and episodes from a Podcast API
- App streams podcast episodes to an Audio Player for listening
- App downloads episodes to Local Storage for offline listening
- App saves user subscriptions and listening history to a Local Database

The main external dependencies are the Podcast API for data and audio files. Key internal components are the Audio Player, Local Storage, and Local Database.

User Stories

This covers some common features like search, play, download, subscriptions, history tracking, playlists, offline mode, account registration, and settings

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Search	USN-1	As a user, I want to search for podcasts by title, category, genre, etc.	I can find new interesting podcasts.	High	Sprint-1
		USN-2	As a user, I want to subscribe to podcasts and view my subscriptions.	New episodes will download automatically	Medium	Sprint-1
	Playback	USN-3	As a user, I want to play my podcasts and download them.	I can listen to it and also have the option to listen offline.	High	Sprint-2
		USN-4	As a user, I want to mark an episode as played and view my playback history.	I can track what I have listened to.	Low	Sprint-2
	Login	USN-5	As a user, I can log into the application by entering email & password	I can save my subscriptions and history.	High	Sprint-1
	Settings	USN-6	As a user, I want to configure the app settings.	I can customise my experience.	Medium	Sprint-1