

CT60A5103 Software Engineering Models and Modeling

AudioNow

Collaboration and Sequence Diagram

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Collaboration Diagram

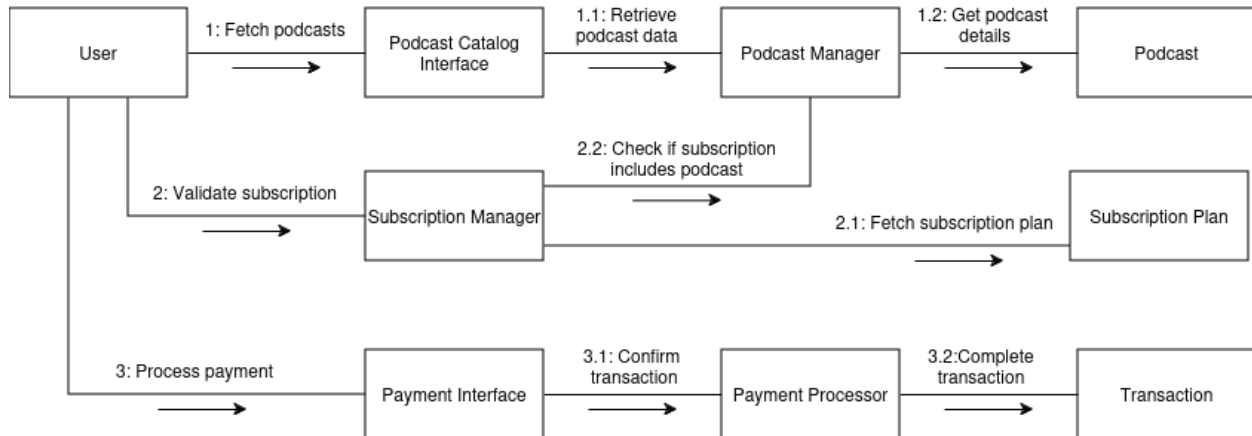


Fig 1. Collaboration diagram showing actors and objects' interactions in AudioNow.

The collaboration diagram shows the structural relationships between actors and objects, as well as how they interact to fulfill the user's requests. Each message exchanged between objects is represented, focusing on how they are connected to perform different tasks in the system. The user interacts with the interfaces, leading to data retrieval, and responses returned through controllers and entities.

Sequence Diagram: Fetching podcast details

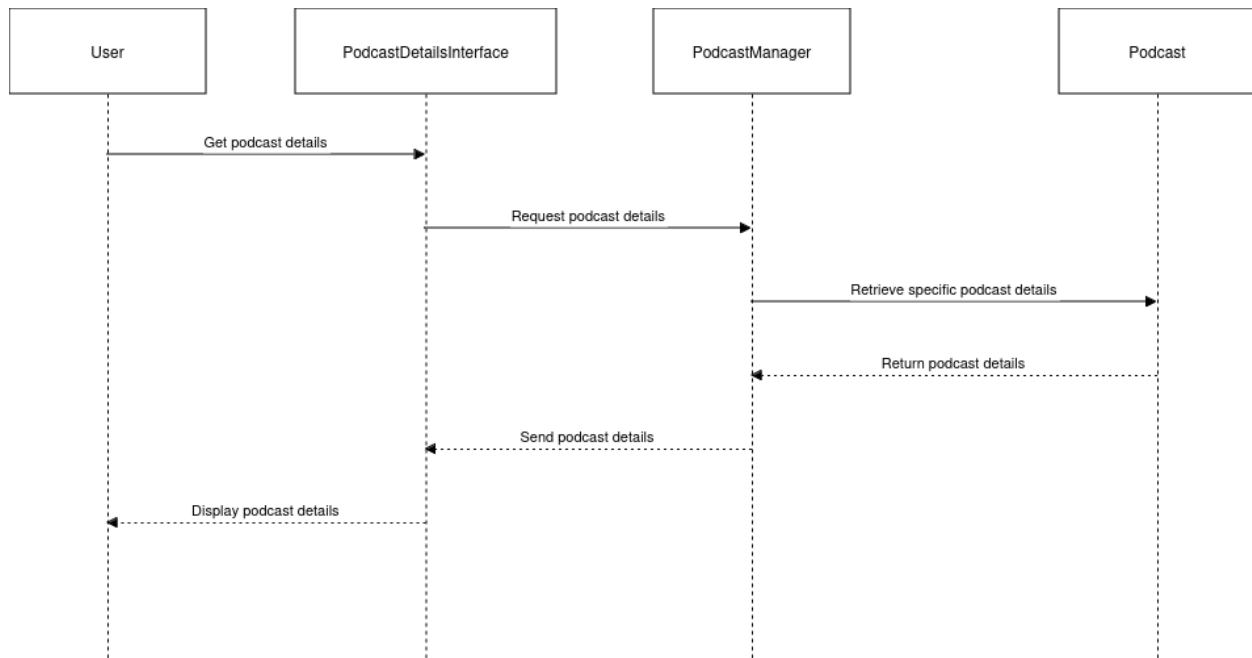


Fig 2. Sequence diagram showing the process of fetching details of a podcast in AudioNow.

This sequence diagram represents the process of fetching podcast details within the AudioNow system. The user starts the process by requesting podcast details through the Podcast Details Interface, which forwards the request to the Podcast Manager. The Podcast Manager then calls the Podcast database to retrieve the relevant information. Once the podcast details are retrieved, the Podcast Manager sends the data back to the Podcast Details Interface, which then shows the details to the user.

This diagram illustrates a sequence of actions involved in retrieving and displaying podcast details. The user interacts with a boundary object (the interface), which communicates with a controller (Podcast Manager). The controller fetches data from the Podcast database, demonstrating clear separation between user interaction, business logic, and data storage.

DECLARATION OF AI USAGE

ChatGPT was used for proofreading and paraphrasing in this document.