

Project Design Phase-II

Data Flow Diagram & User Stories

Date: April 14, 2025

Team ID: SWTID1742745633

Project Name: ViewVoyage

Maximum Marks: 4 Marks

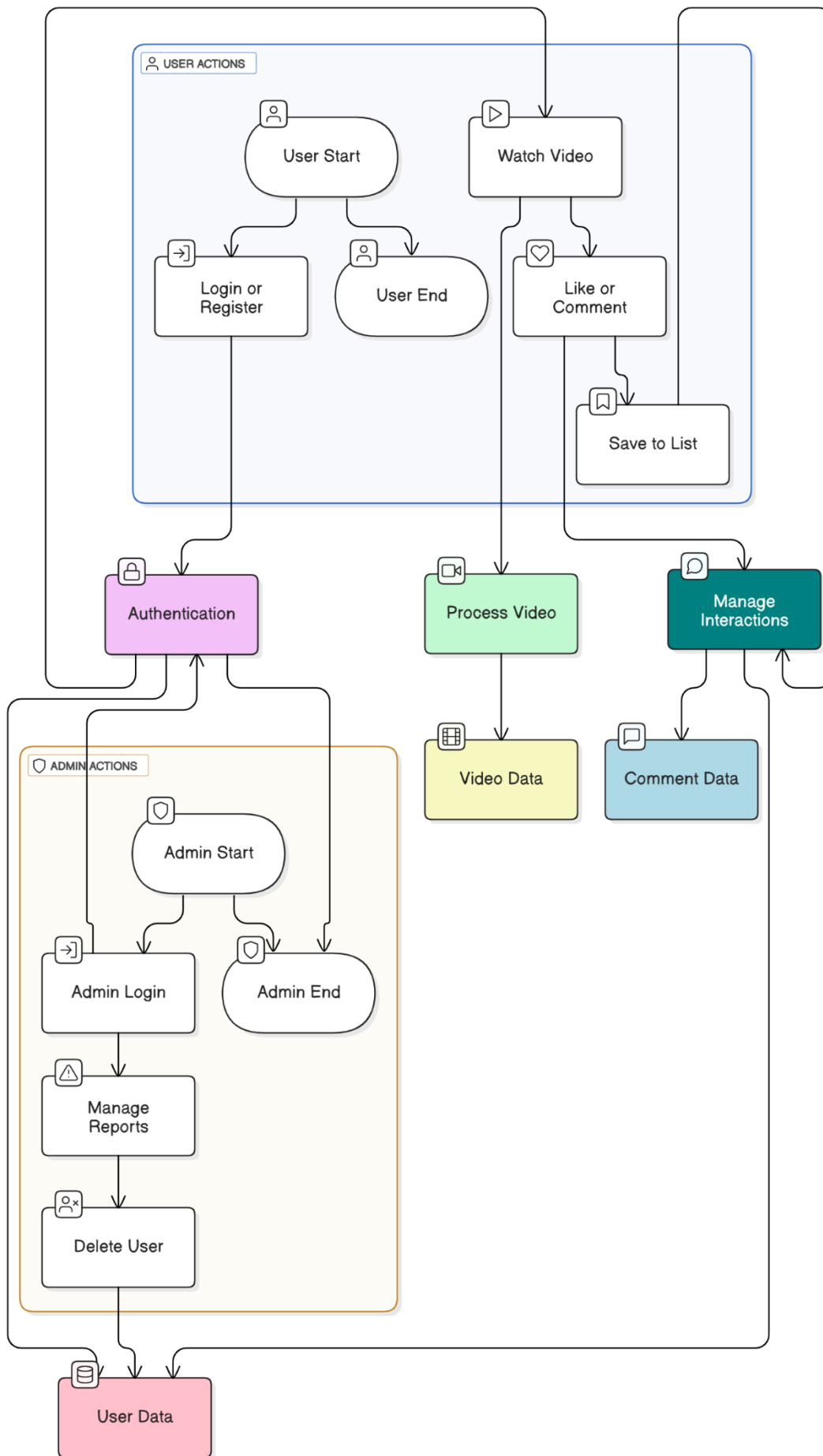
ViewVoyage – Data Flow Diagrams

Level-0 DFD Description

Actors:

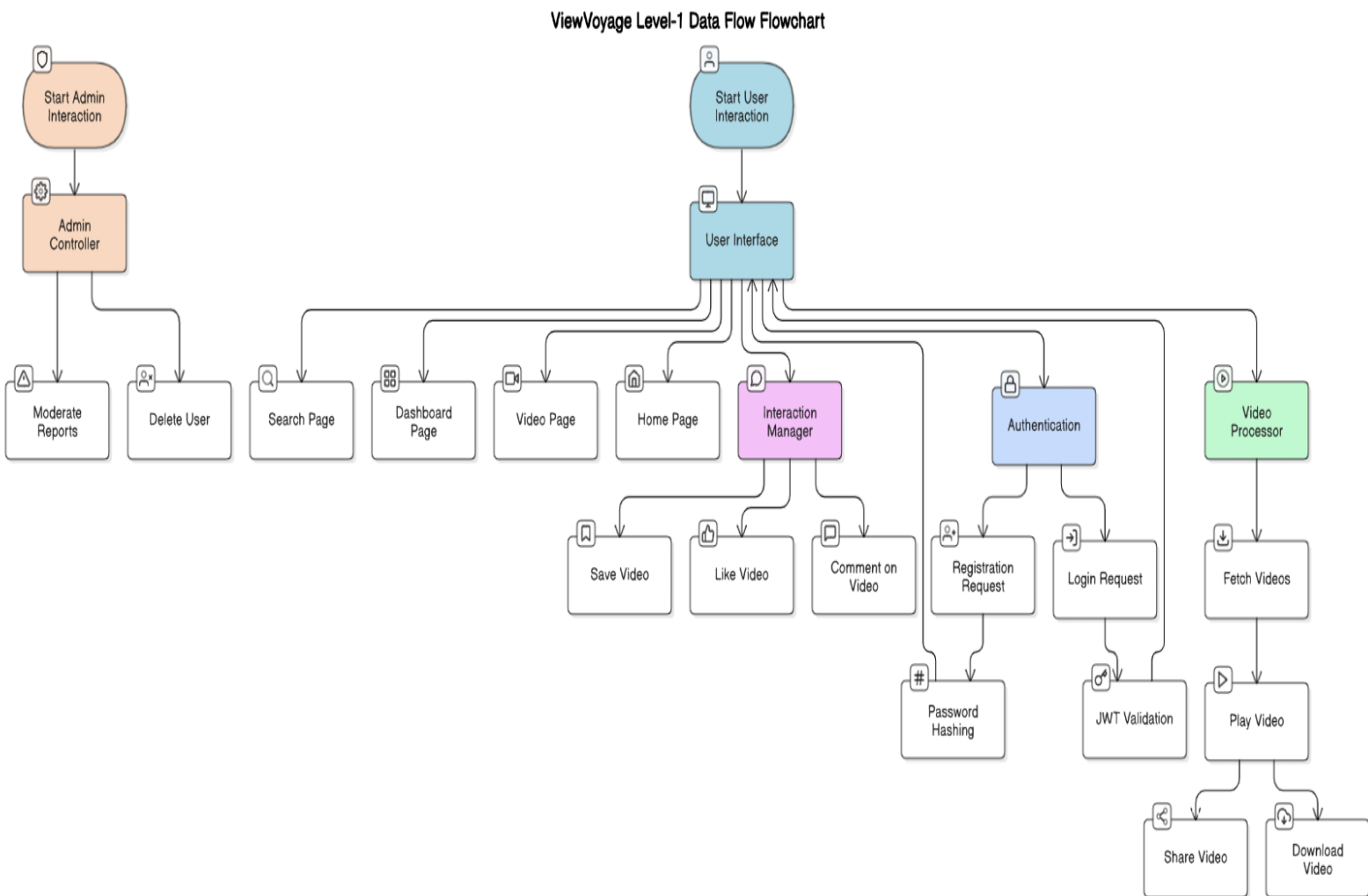
- **User:** A viewer who watches, likes, comments, and saves videos.
- **Admin:** Manages platform activities and users.
- **Process Video:** Handles video uploads, playback requests, and downloads.
- **Manage Interactions:** Processes likes, comments, and user-specific data like “Your List.”
- **Authentication:** Handles login and registration.
- **Admin Actions:** Deletes users or manages reports.
- **Video Data:** Stores video metadata, URLs, and thumbnails.
- **User Data:** Stores user credentials, lists, liked videos.
- **Comment Data:** Stores comments linked to videos and users.

ViewVoyage Level-0 Data Flow (Flow Chart)



Level-1 DFD Processes

Process	Function
User Interface (UI)	Manages all user interactions including home, video, search, and dashboard
Authentication	Handles secure login and registration using JWT and hashed passwords
Video Processor	Fetches videos, plays them, and enables download or sharing
Interaction Manager	Manages likes, comments, and saving videos to user-specific lists
Admin Controller	Enables admin functions like deleting users or moderating reports



ViewVoyage – User Stories

User Type	Epic (Functional Area)	Story ID	User Story	Acceptance Criteria	Priority	Sprint
User	User Management	VW-US1	As a user, I want to register using my email and password	I can register and receive access to the homepage	High	Sprint 1
User	User Management	VW-US2	As a user, I want to log in securely	I can log in and access features like Liked Videos	High	Sprint 1
User	Video Management	VW-US3	As a user, I want to browse and search videos	I can view videos and filter them by title	High	Sprint 1
User	Video Detail + Interaction	VW-US4	As a user, I want to like and comment on videos	My likes are saved and comments show up instantly	High	Sprint 2
User	Video Playlist (Your List)	VW-US5	As a user, I want to save videos to a personal list	Saved videos are visible under "Your List"	Medium	Sprint 2
User	Video Detail	VW-US6	As a user, I want to download and share videos easily	Download button triggers download; share shows video link	Medium	Sprint 3
Admin	Admin Management	VW-US7	As an admin, I want to view and manage users	Admin dashboard shows user list with action buttons	High	Sprint 3
Admin	Admin Moderation	VW-US8	As an admin, I want to delete users if necessary	Deleted user is removed from the database and UI	High	Sprint 3

