

SWP391 Final Presentation

Drug Use Prevention Support System

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01 Project Introduction

01 Project Introduction

Context & Problems

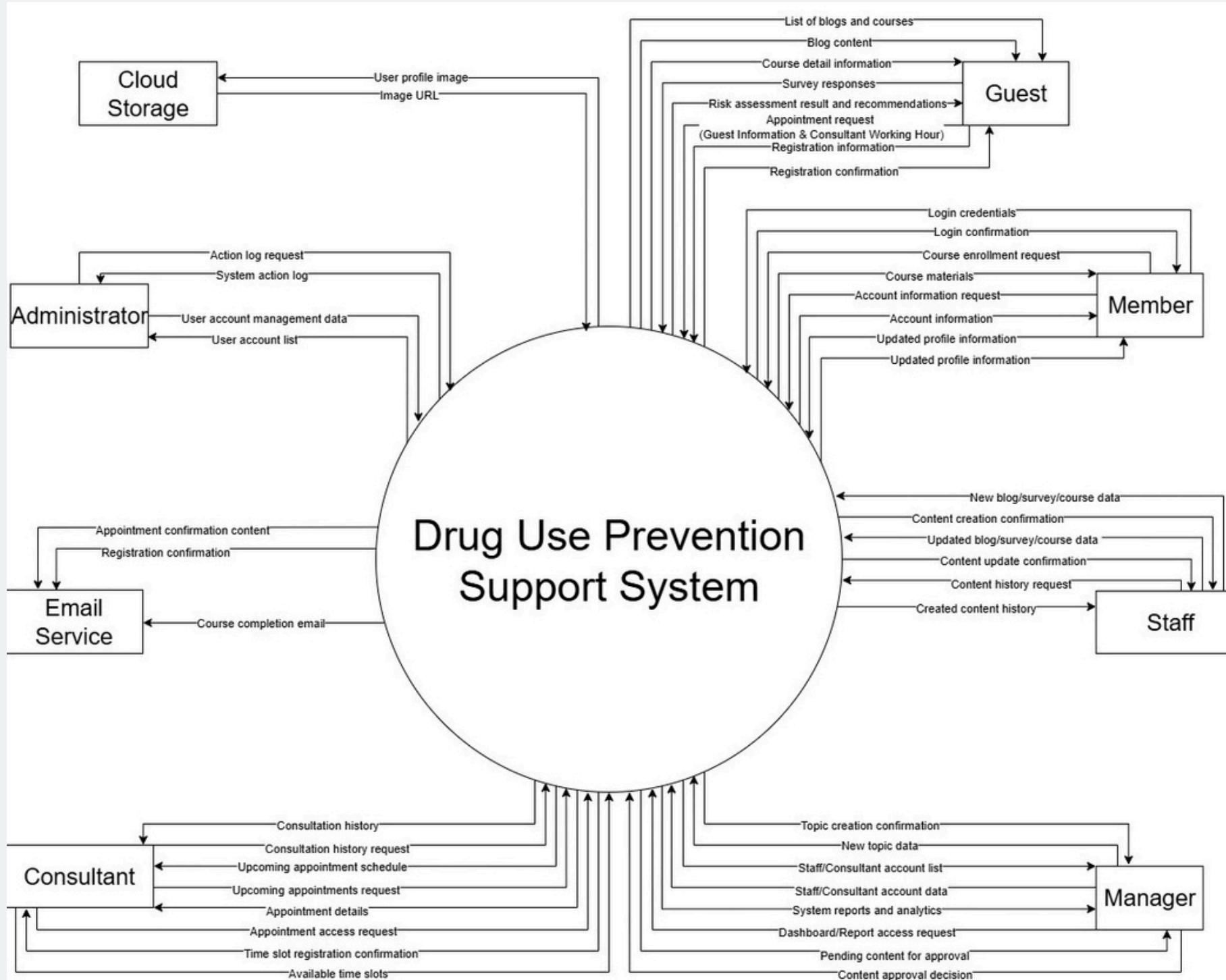


Problems:

- Mainly provide one-way information, lacking learning tools and assessment surveys.
- Do not offer online counseling features, appointment booking, or learning certification.
- Lack personalization, making them difficult to engage for general users and younger audiences.
- Outdated user interface and experience.

01 Project Introduction

Proposed Solution

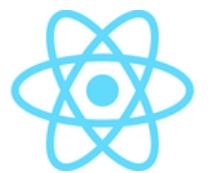


02

System Architectural Overview

- Front-end

ReactJS



Material UI



Video SDK



- Back-end

Spring Boot



Restful APIs



MySQL

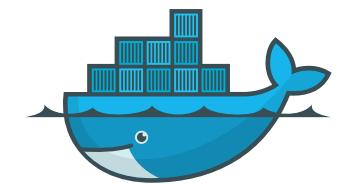


Cloudinary



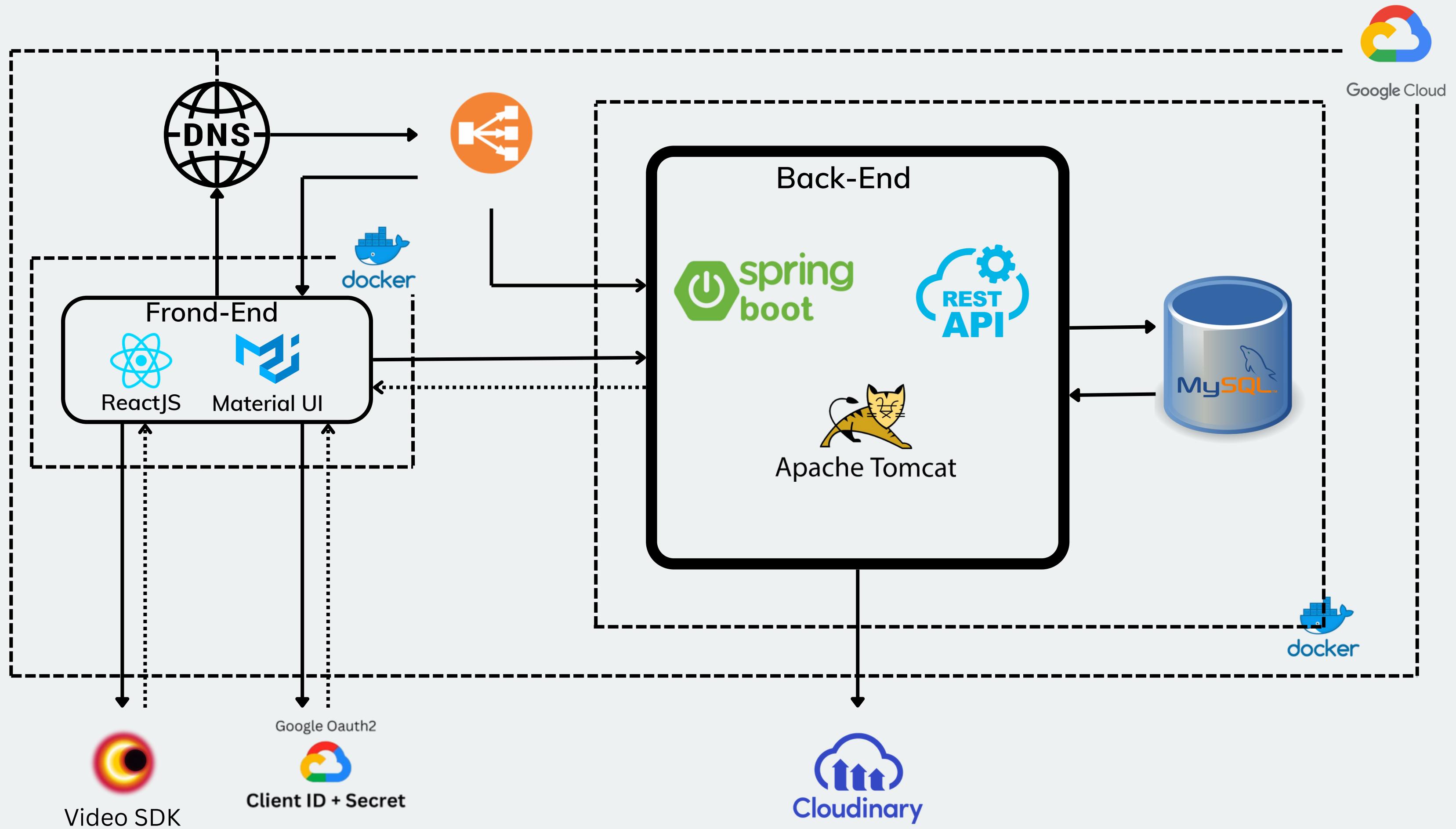
- Deployment

Docker

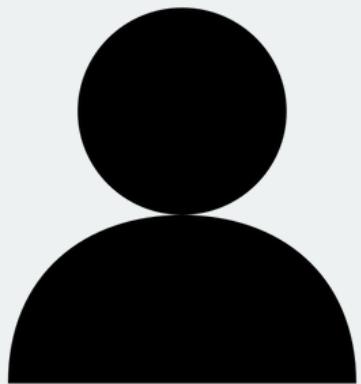


Google Cloud



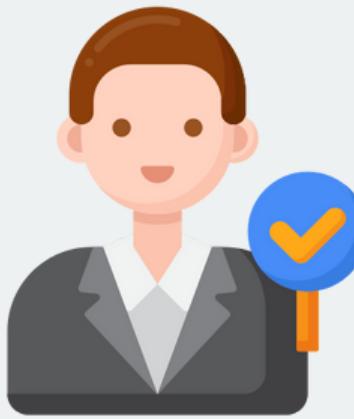


03 Features



Guest

- Browse blog articles and view blog content
- Browse available courses
- Book appointments (guest booking)
- View available consultant time slots
- Fill out surveys
- Register for an account
- ...



Member

- Manage personal profile
- Book appointments with consultants with member privileges
- View appointment history
- Watch course videos and take quizzes
- Earn course certificates
- ...



Staff

- Access staff dashboard
- Create and edit blog posts
- Create and edit courses with learning modules
- Create and edit surveys
- View content history and publication status
- Submit content for review by managers
- ...



Consultant

- Access consultant dashboard
- View upcoming appointments
- Register available time slots
- Start video meetings with clients
- Cancel appointments
-



Manager

- Access manager dashboard
- Review and approve/reject content (blogs, courses, surveys)
- Manage staff and consultants
- View appointment statistics and history
- Manage topics for consultations
-

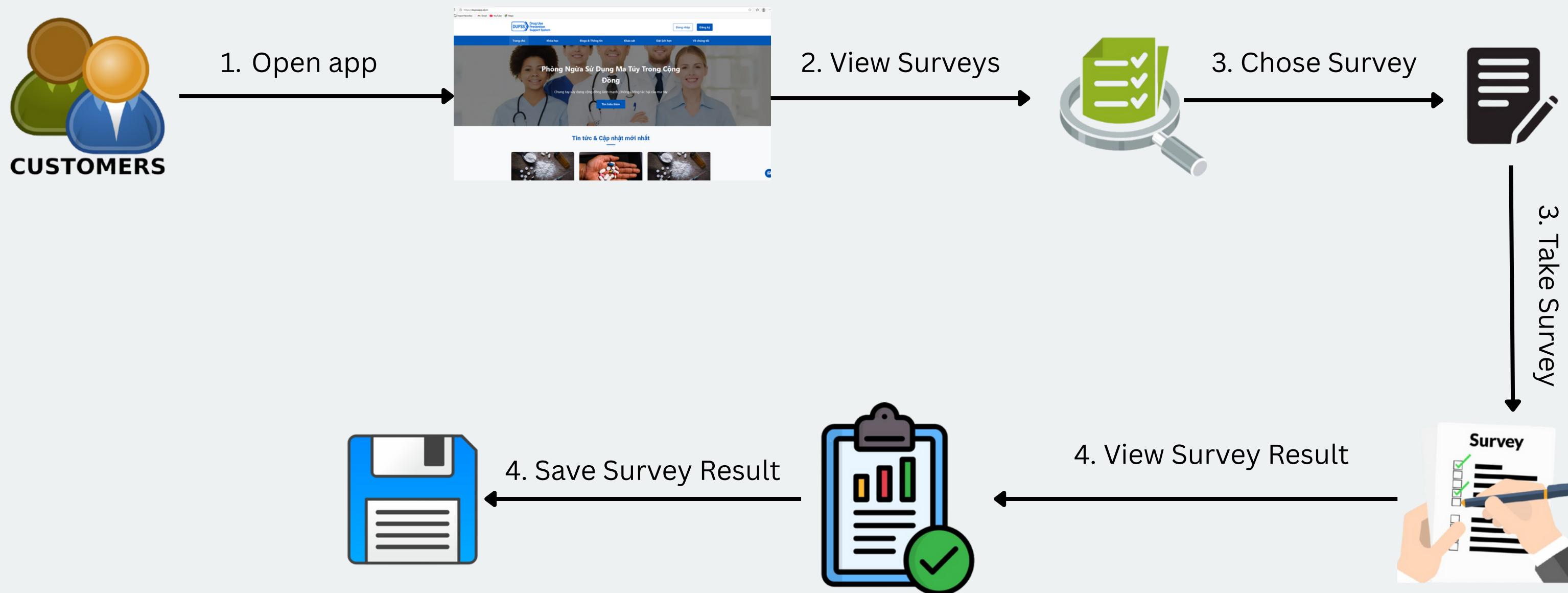


Admin

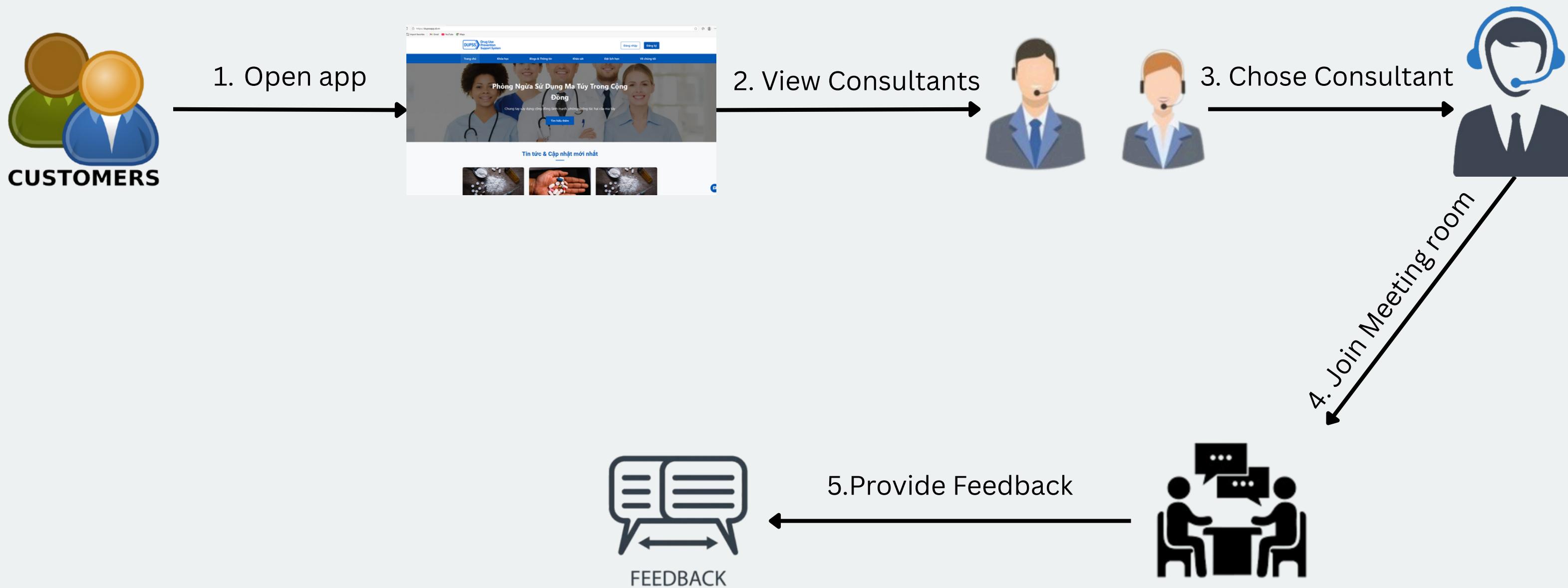
- Manage users
- View system action logs
- ...

04 Demonstation

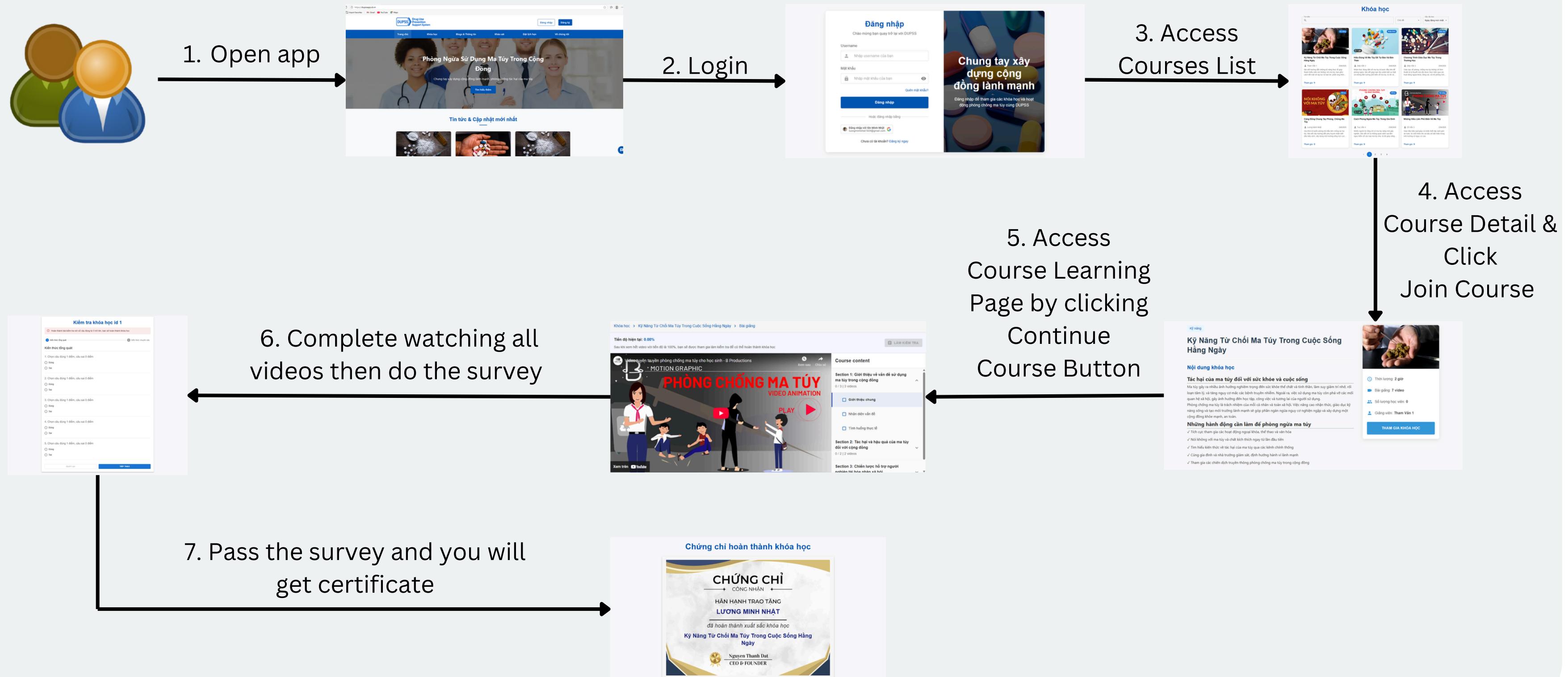
Scenario 1: Member/Guest Takes An Evaluation Survey



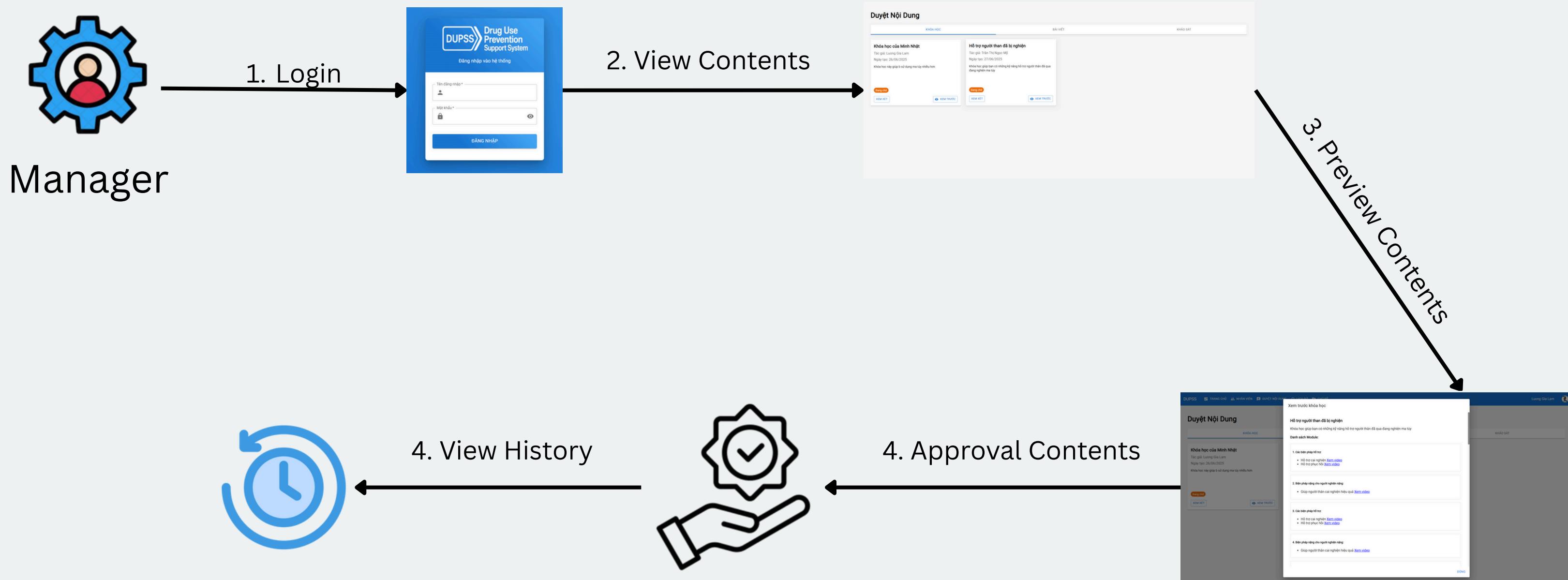
Scenario 2: Member/Guest Books An Online Consultation



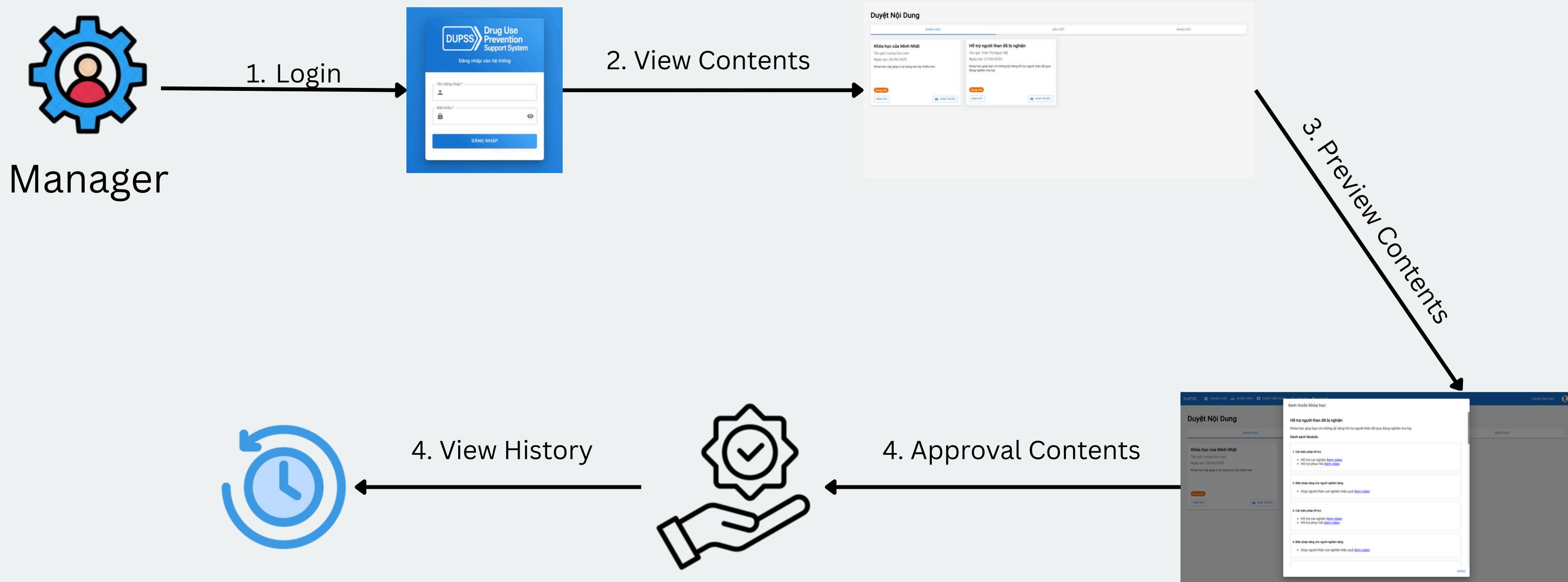
Scenario 3: Member enroll in an Online Course



Scenario 4: Manager Approval Content



Scenario 4: Manager Approval Content



05 Outcome

• Achievements

- Create a full basic web for drug prevention system, addressing the inherent weaknesses of traditional websites
- Raising public awareness about drug abuse.

• Lesson and learn

- Learn how to design systems with clear functional structures.
- Team work and time management
- Understand the difficulty of analyzing user behavior to make appropriate action recommendations.

• Limitations

- Lack of support for real-time notifications.
- Videos rely on third-party platforms (YouTube)

