



QUICKSAND

TABLE 44

PROBLEM STATEMENT: WPS 6 - ONLINE COURSE PLATFORM





PROBLEM STATEMENT

WPS6: Online course platform

To simplify the course management and enrolment process on an online education platform.

GOALS AND OBJECTIVES

Objective n° 1

Provide a dashboard for progress tracking, viewing grades, and receiving feedback.

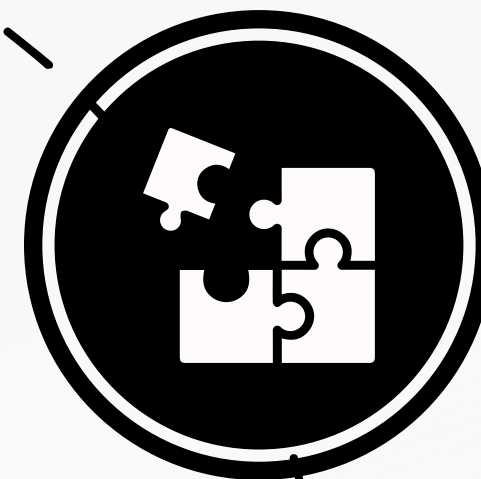
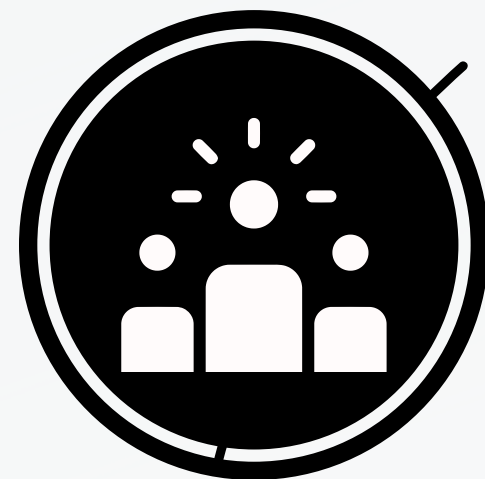
With separate accounts for faculty and student.

Objective n° 2

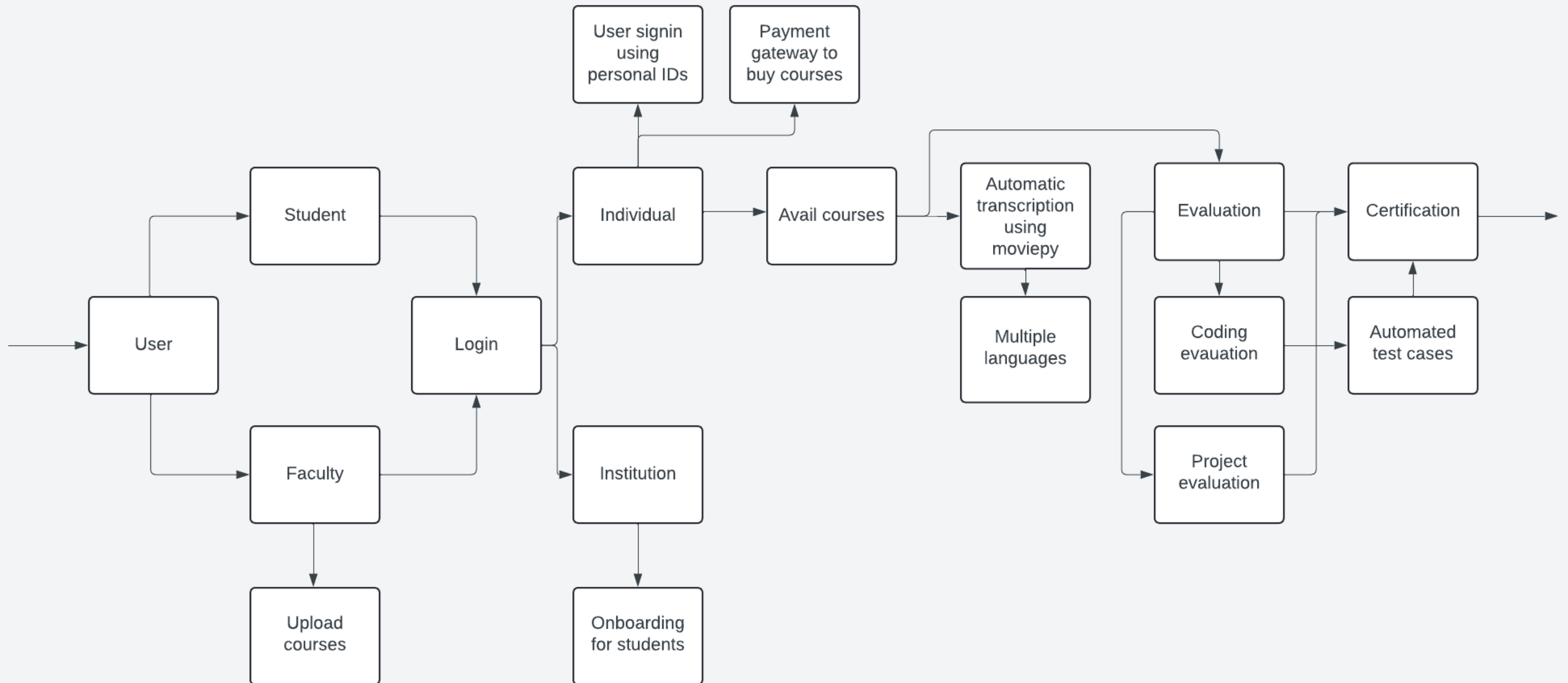
Discussion forums for 1 to 1 student teacher interaction. With integrated notifications for courses update and completion.

Objective n° 3

Instructors to manage **course materials, assignments, and resources.**



WORKFLOW



TECHSTACK

Frontend

- React
- Tailwind
- Material UI
- Recoil
- Emotion js
- Monaco editor

Backend

- Node
- Express
- Flask

DB

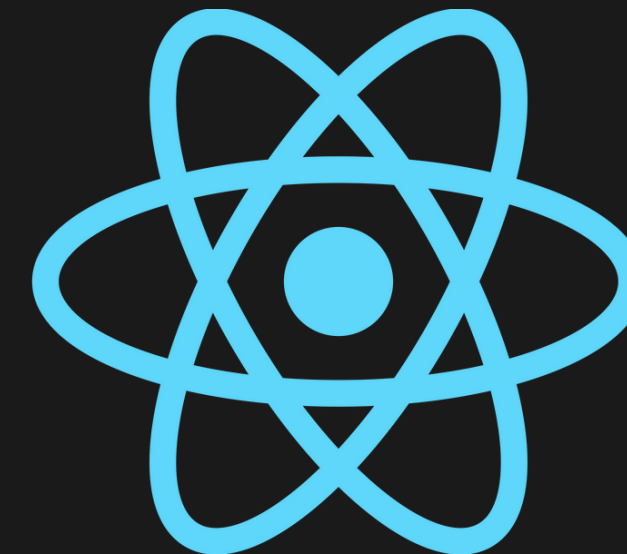
- MySQL

Misc

- Llama 3
- LM Studio

AIML

- OpenCV
- Scikitlearn
- SpeechrecognitionPy





USE CASES

- Progress Tracking of Individuals
- Fully proctored exams including tab switching, face detection, crowd detection audio transcription
- Training programs in organizations
- Learning from verified experts
- Comprehensive learning ecosystem



REVENUE MODELS

- Corporate Training programs
- Subscription and pay-as-you-go model
- Analytics as a Service

USP'S

Proctoring features include tab-switching, face detection, crowd detection, audio transcript.

PROCTORING

Integrated coding platform. Includes python, c, java, javascript, typescript.

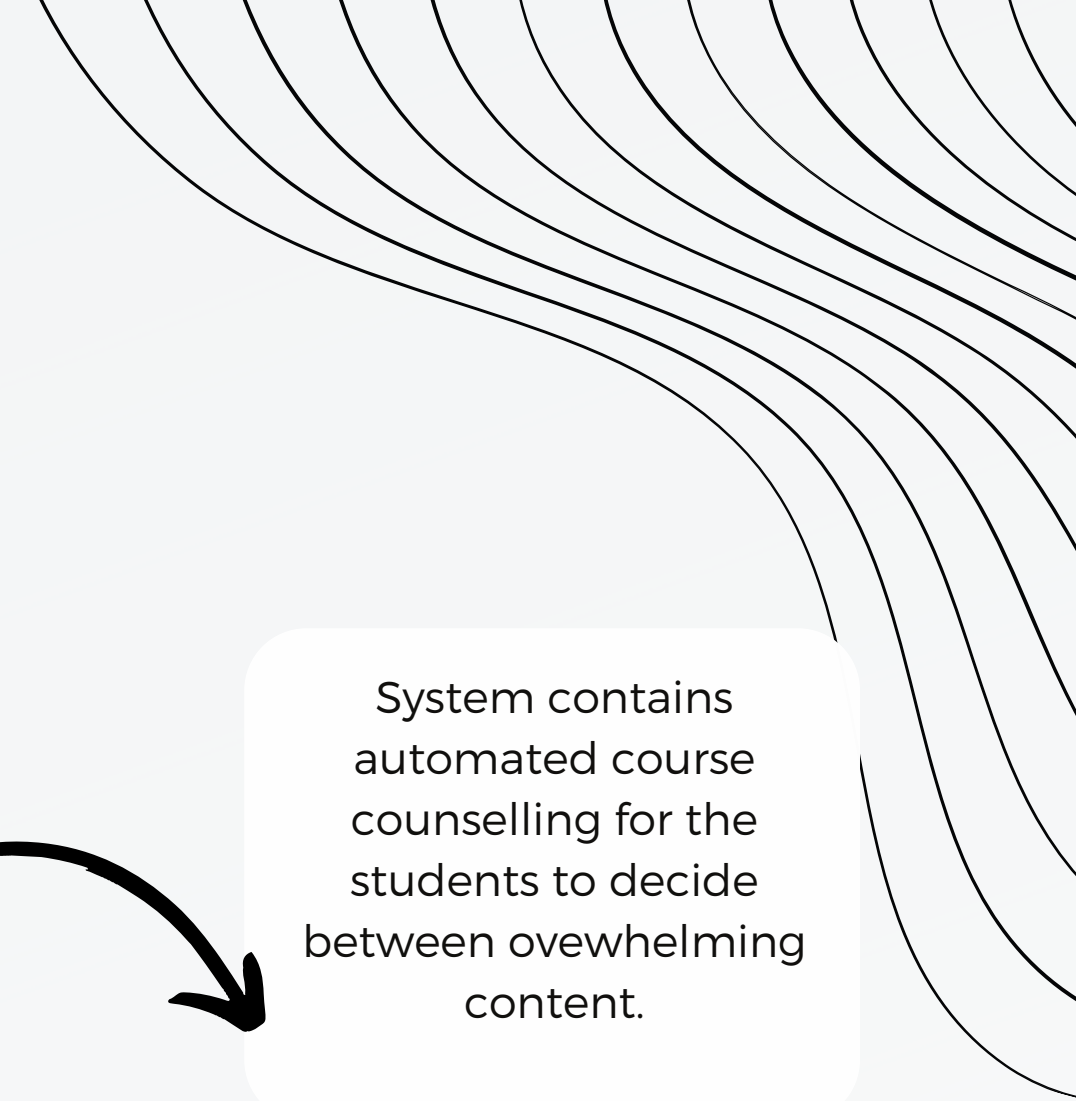
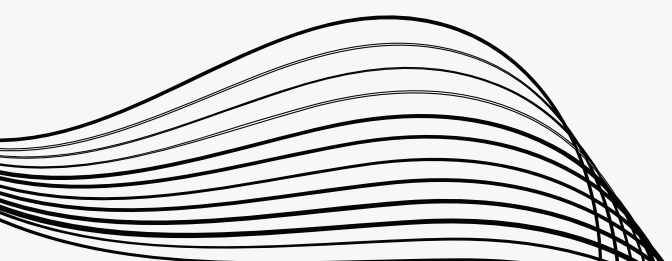
CODING PLATFORM

Automated video transcription. Video transcription converts audio into text for quick notes and converts them into multiple languages.

VIDEO TRANSCRIPT

System contains automated course counselling for the students to decide between overwhelming content.

COUNSELLING



TEAM MEMBERS

01

AUM PAUSKAR

BE
CS
3rd year

02

SHRIRAM NAIK

BE
CS
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04

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THANK'S FOR WATCHING

Any questions?

