ANNA UNIVERSITY, CHENNAI – 600 025.

DEPARTMENT OF INFORMATION SCIENCE AND TECHNOLOGY

MCA (Regular) 3 – YEAR PROGRAM

BATCH – 2

**Digital Project Documentation**

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**Guide**

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**Teaching Fellow**

**ABSTRACT:**

Projects which were done during student academic sessions are not exposed to the outside world (companies). to insufficient information retrieval of the source information. If the project is published in any social media then it will hide behind millions of data, it won't create any impact. This project helps to store the project information and it documents the project digitally with students information and contact details along with video, Image, document, text, Link of the student project. As Video and Image occupies a large amount of space in the database this project will help to compress and send the compressed data to the backend. This project becomes a medium for students to post their own application and help them to get new project ideas in existing project feeds.

**INTRODUCTION :**

Mobile app development market with over 2.5 billion active users spread across the world – the number is constantly growing. What makes it significant as the preferred platform for companies are compelling advantages like massive customer reach, seamless customization, faster deployment, improved scalability & much more. The idea is to reach out to a large customer base with your offers through a timely notification and in-app pop-ups.

Such push notifications are a great way to start reaching out to the right people at the right time and that helps, especially when done in style.

- **React Native** is an open-source UI software framework created by Meta Platforms.
- **Node.js** is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the V8 engine and executes JavaScript code outside a web browser.
- **Postgre**s is a free and open-source relational database management system emphasizing extensibility and SQL compliance.

**PROBLEM STATEMENT:**

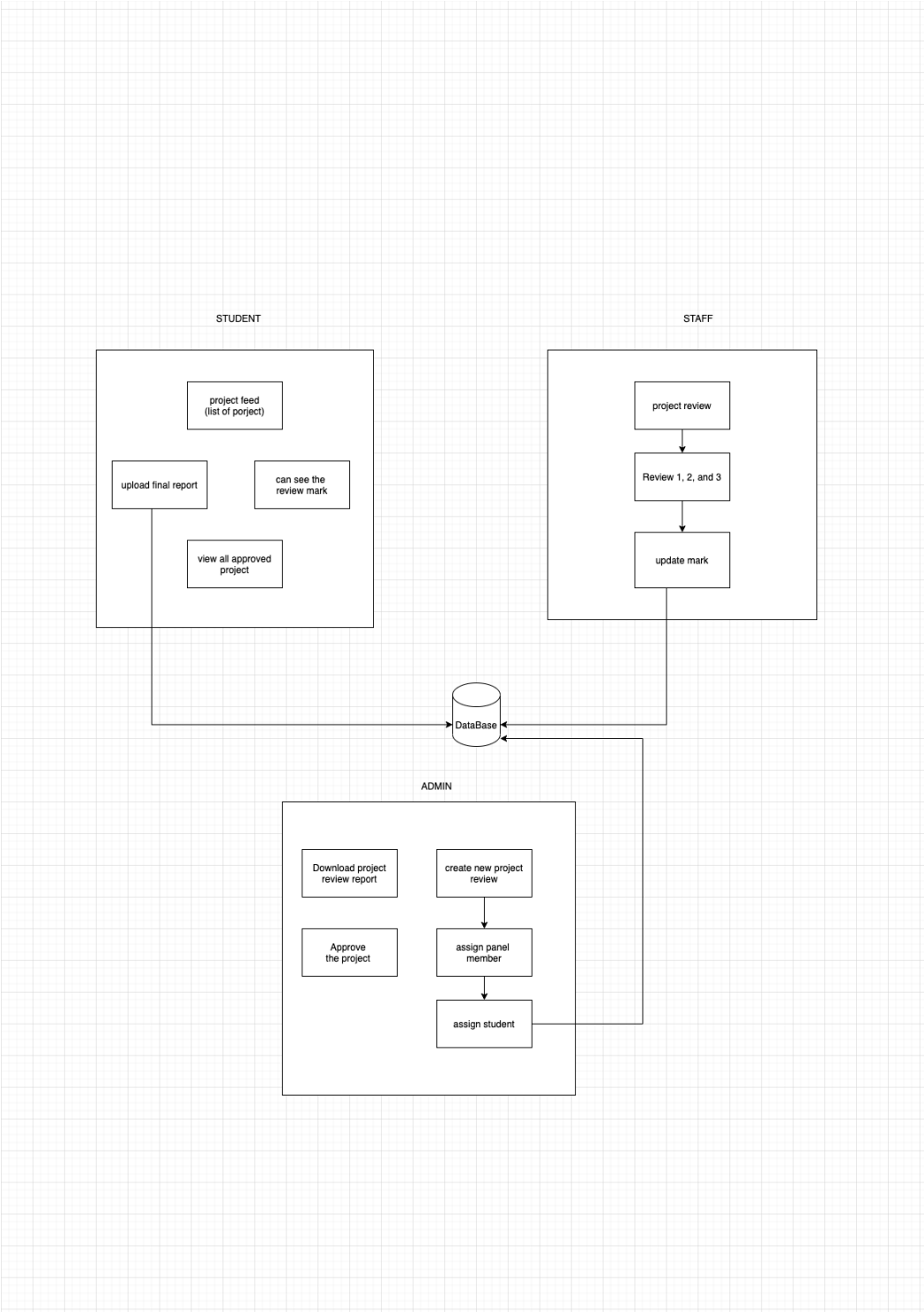
Consider the last 10 years in the MCA department. Every year 100 students are doing final year projects but no get more then mark.Students are putting at least 3 months to do the R&D, But after the academic work is not exposed to the outside world. Even some of the projects are so great but they are as a students project without any feature steps in it. From this MCA Projects WIKIPEDIA Keep documenting the project with pdf document, links and video demo.

**OBJECTIVE :**

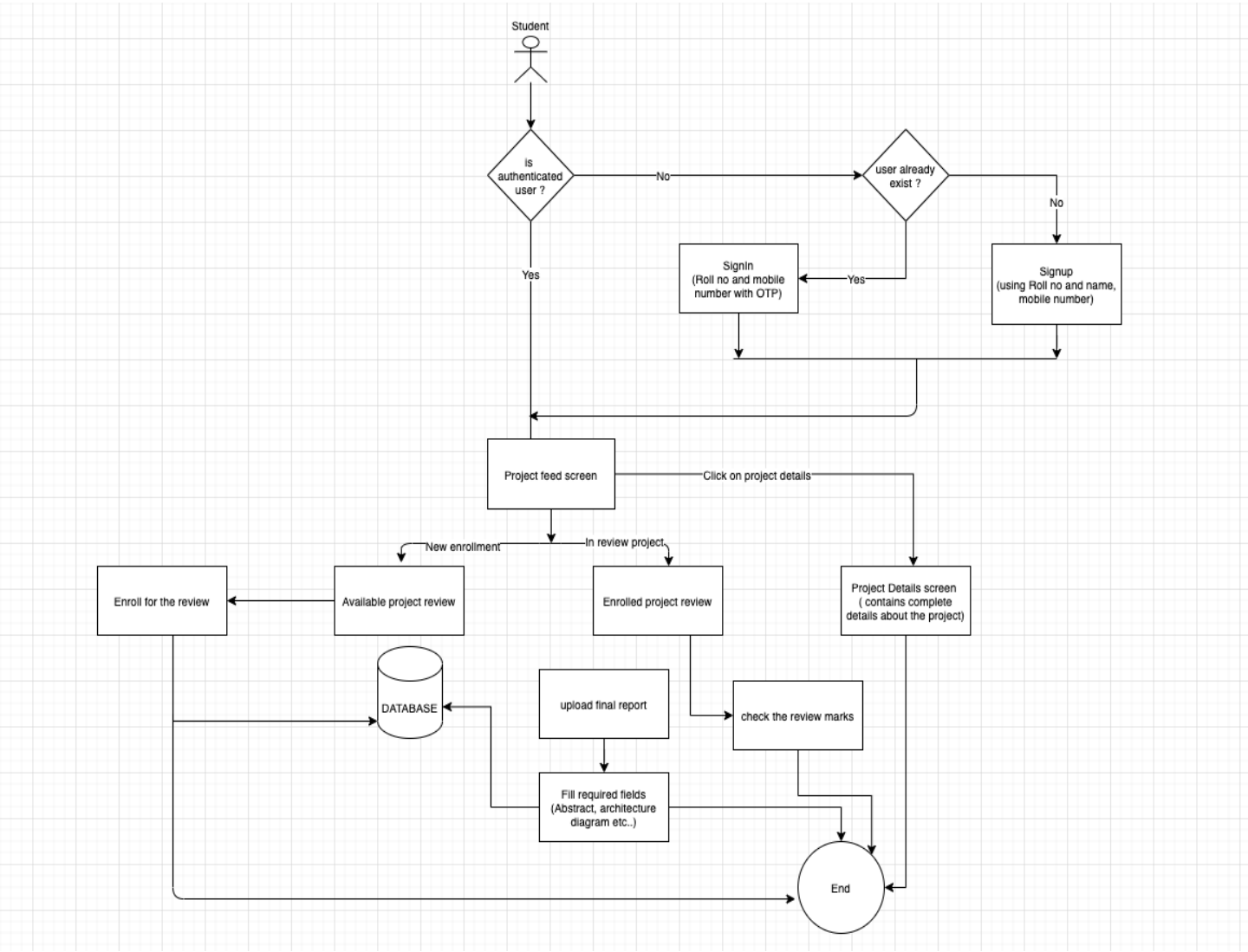
1. Create a mobile application for student, staff and admin in the review process and store the mark information in cloud
2. Mobile applications contain all reports and their information like description text, document , referral link and video demo which help the student to know the existing project and currently unsolved problem statement.

## ARCHITECTURE DIAGRAM :

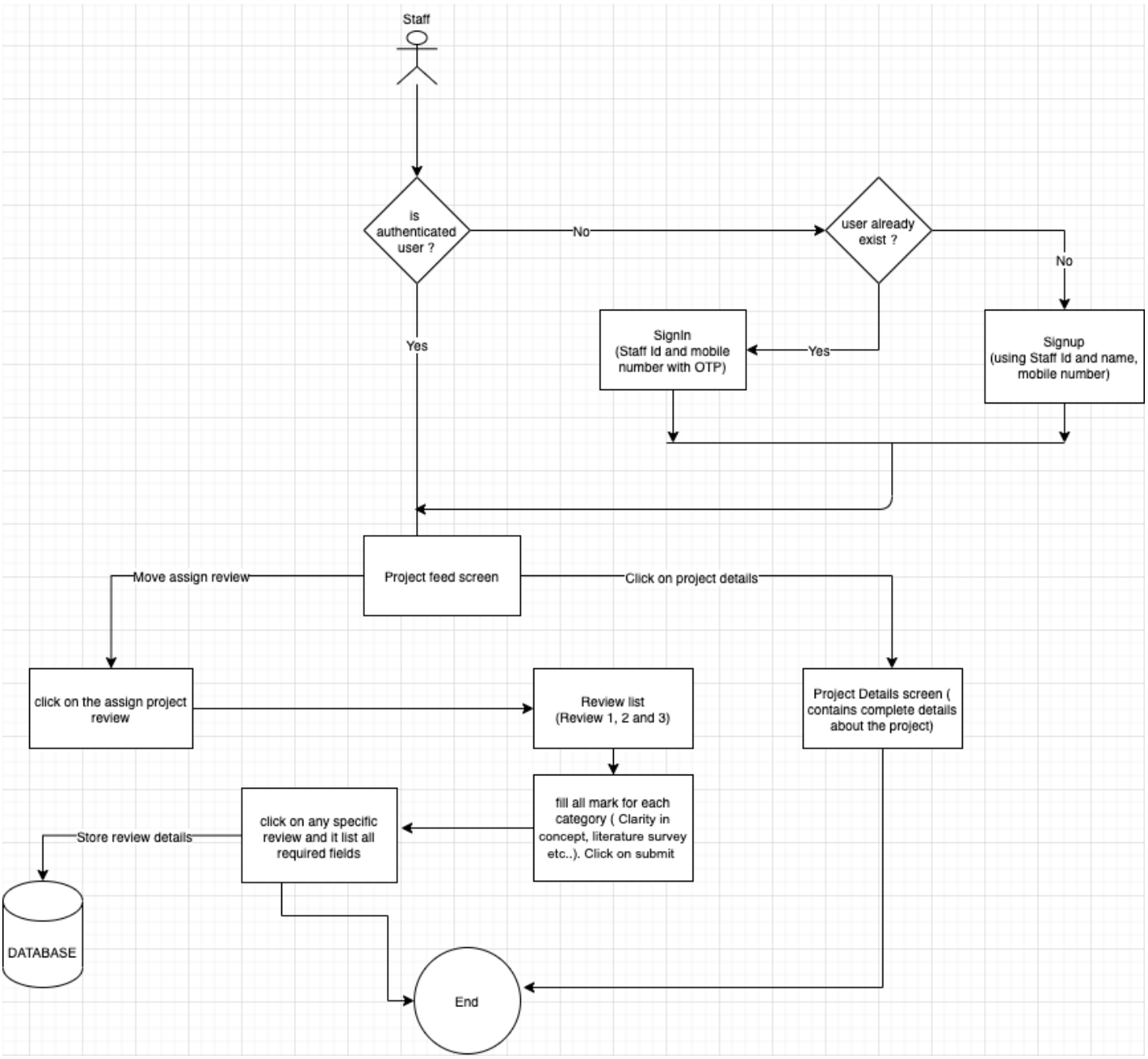
### OVERALL ARCHITECTURE DIAGRAM



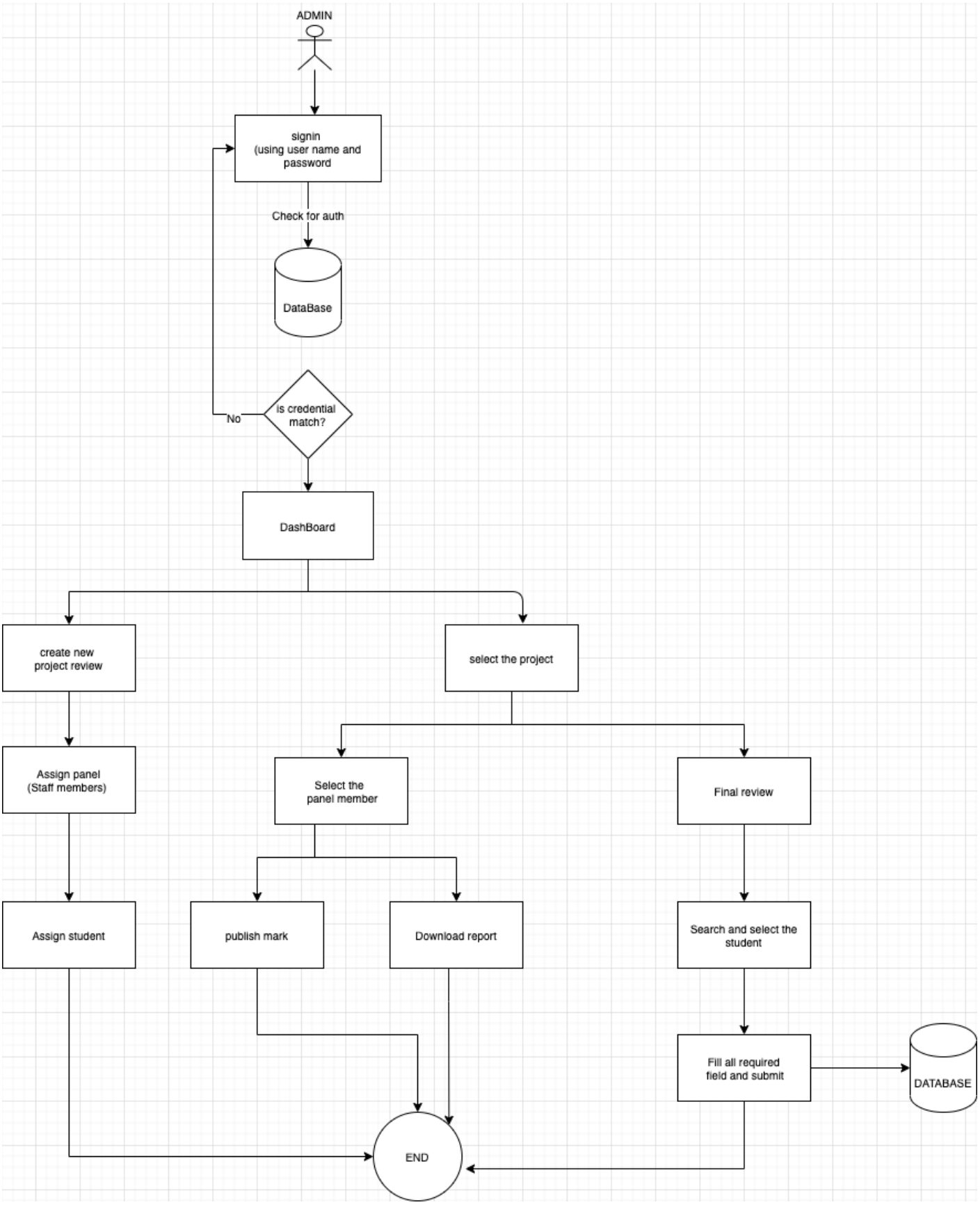
# FLOW DIAGRAM - STUDENT



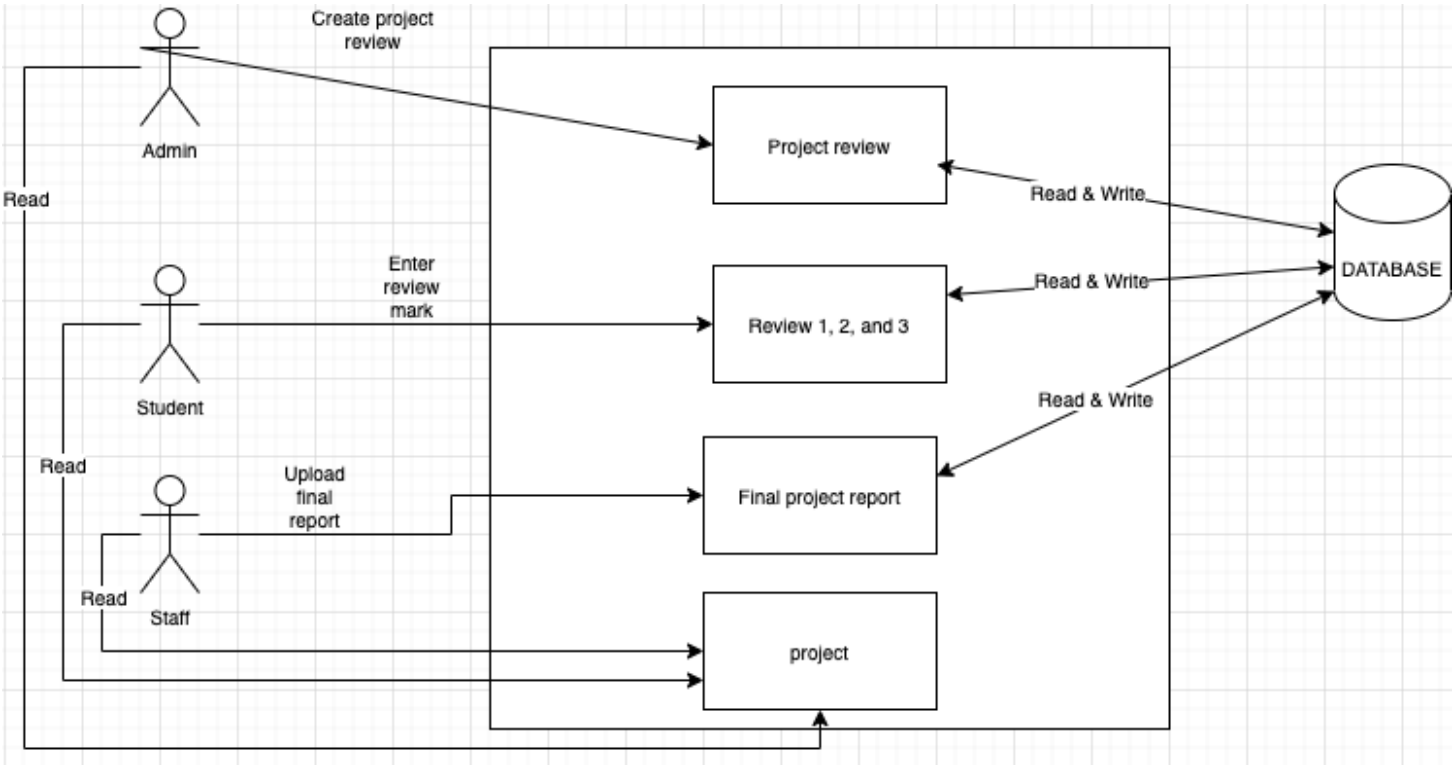
# FLOW DIAGRAM - STAFF



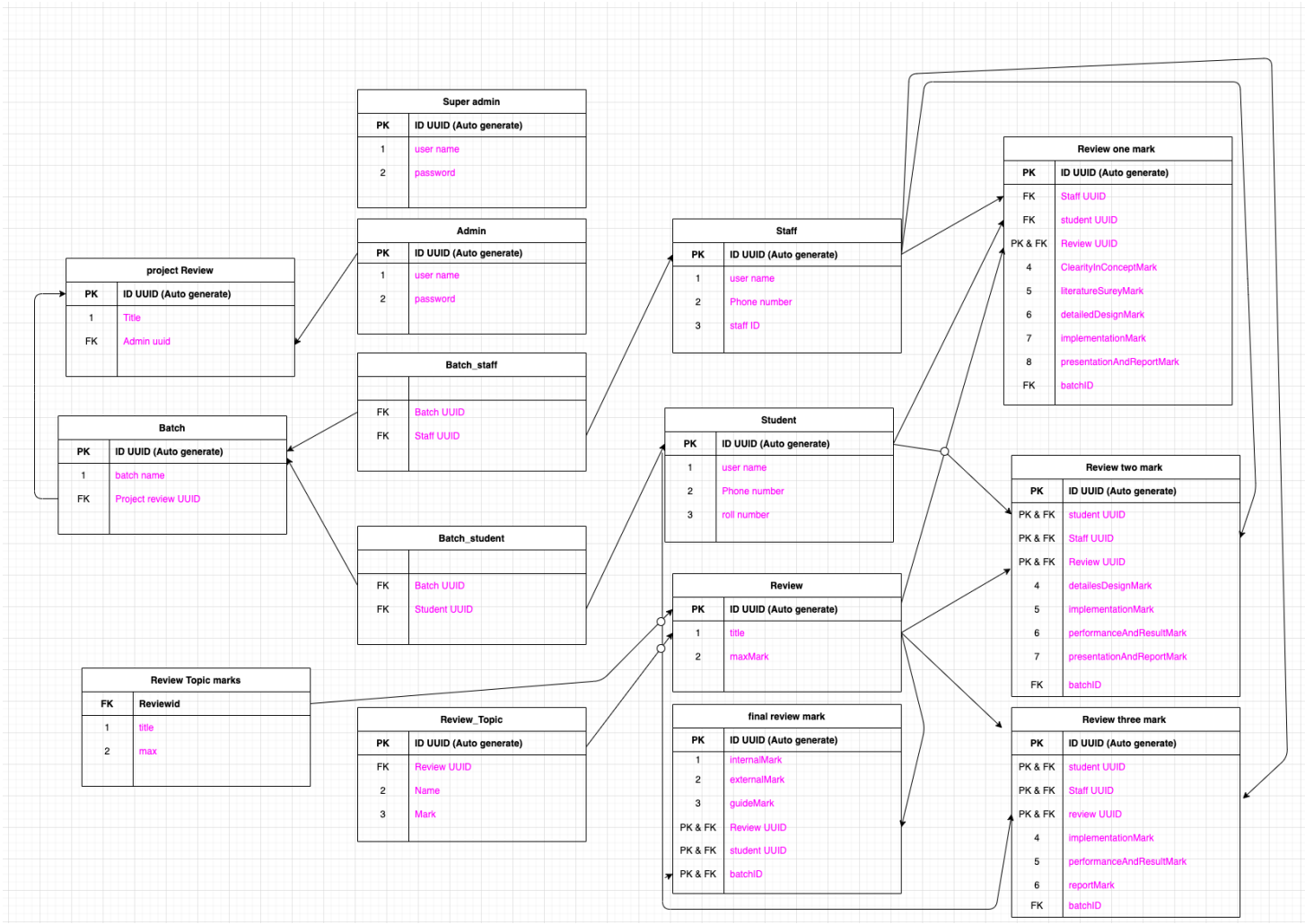
# FLOW DIAGRAM - ADMIN



# OVERALL FLOW DIAGRAM



# CLASS DIAGRAM




## ARCHITECTURE EXPLANATION :

- Admin can create project review first and it added in the database
- Admin add the panel member
- Admin add the batch student review
- Staff can give mark to the each review 1, 2 and 3
- Student can upload the final report and see their mark in each review
- Student, staff and admin can view the project in the application

**LIST OF MODULES :**

- Student
- Staff
- Admin
- Project list and details
    - Review comments
    - Review rating
- feeds
- Profile

**BRIEF DESCRIPTION OF MODULES**

- Student
    - View mark for each review
    - Upload final report
- Staff
    - Submit the mark for each review

- Admin
    - Create project review
    - Download the specific review report
    - Download final mark report

**MARK SPILITUP :**

- Review 1:
    - Clarity In Concept (5)
    - Literature Survey (5)
    - Detailed Design (10)
    - Implementation (30)
- Review 2:
    - Additional Features (10)
    - Implementation (25)
    - Performance / Results (10)
    - Presentation/ Report(5)
- Review 3:
    - Performance/ Results (20)
    - Report(20)
    - Implementation (60)

**Final review:**

- Internal member (20)
- External member (10)
- Guide (10)

**DATASET :**

https://docs.google.com/spreadsheets/d/14yJUP2wjpVReklGvEm5Xd9CWdg9JGuB0sAHT-NQcft0/edit#gid=2041031843

https://docs.google.com/spreadsheets/d/1YEsB5lHnUgik_w037LSpWumJ5vDfvASuH6g_nIld3wE/edit#gid=780620524

https://docs.google.com/spreadsheets/d/1duphdbn9H9YVc45jRnnut_qHDXSoZwMm0Rb1xFaZj44/edit#gid=780620524

https://docs.google.com/spreadsheets/d/1NERnjf9bbnRymaOaeFytfJVJOYXhAkLufIvqyPtPQEg/edit#gid=1037593513

**REFERENCE :**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https://www.npmjs.com/package/react-native-video-processing

https://www.youtube.com/watch?v=HRjgeT6NQJM&feature=youtu.be&ab_channel=ShahenHovhannisyan

https://github.com/JohnProg/Blog-App

https://www.youtube.com/watch?v=GTOatl1E8QE&ab_channel=GeekyAnts


**Guide Signature**

**( S.KANIMOZHI )**