

Ahsanullah University of Science and Technology
Department of Computer Science and Engineering



CSE3224 : Information System Design and Software Engineering Lab,
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Year: 3rd Semester: 2nd
Lab Section: B2
Group: 06

Project Name: E-Tuition

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Introduction To Project

In this days, we all are passing through global pandemic. Due to the pandemic, many of educated and qualified people are losing job nor getting poor amount of esteem. The students are also stuck because of long-term institutional break. Undergraduated students have been disoriented to earning money. Therefore, we are going to launch our project for their overcome from this situation. We are creating a *Live* platform for students & tutors to participate in several type of courses, evaluation etc. Students could be able to enroll the courses by an amount of payment. By enrolling, students can participate in live sessions & able to access inside the course materials. Tutors also will control their owned courses by our project. It facilitate users to fulfill his educational needs at shortest amount of time by staying at home.

Entities, Process, Data Stores & Data Flow

Entities:

- Teacher
- Student
- Admin

Process:

- Create Course System
- Course View System
- Profile Checking
- Payment
- Enroll
- Signup
- Singin
- Couse Material
- Issue Message

Data Stores:

- Teacher DB
- Student DB
- Course DB

- Payment DB
- Resource DB
- Enroll DB

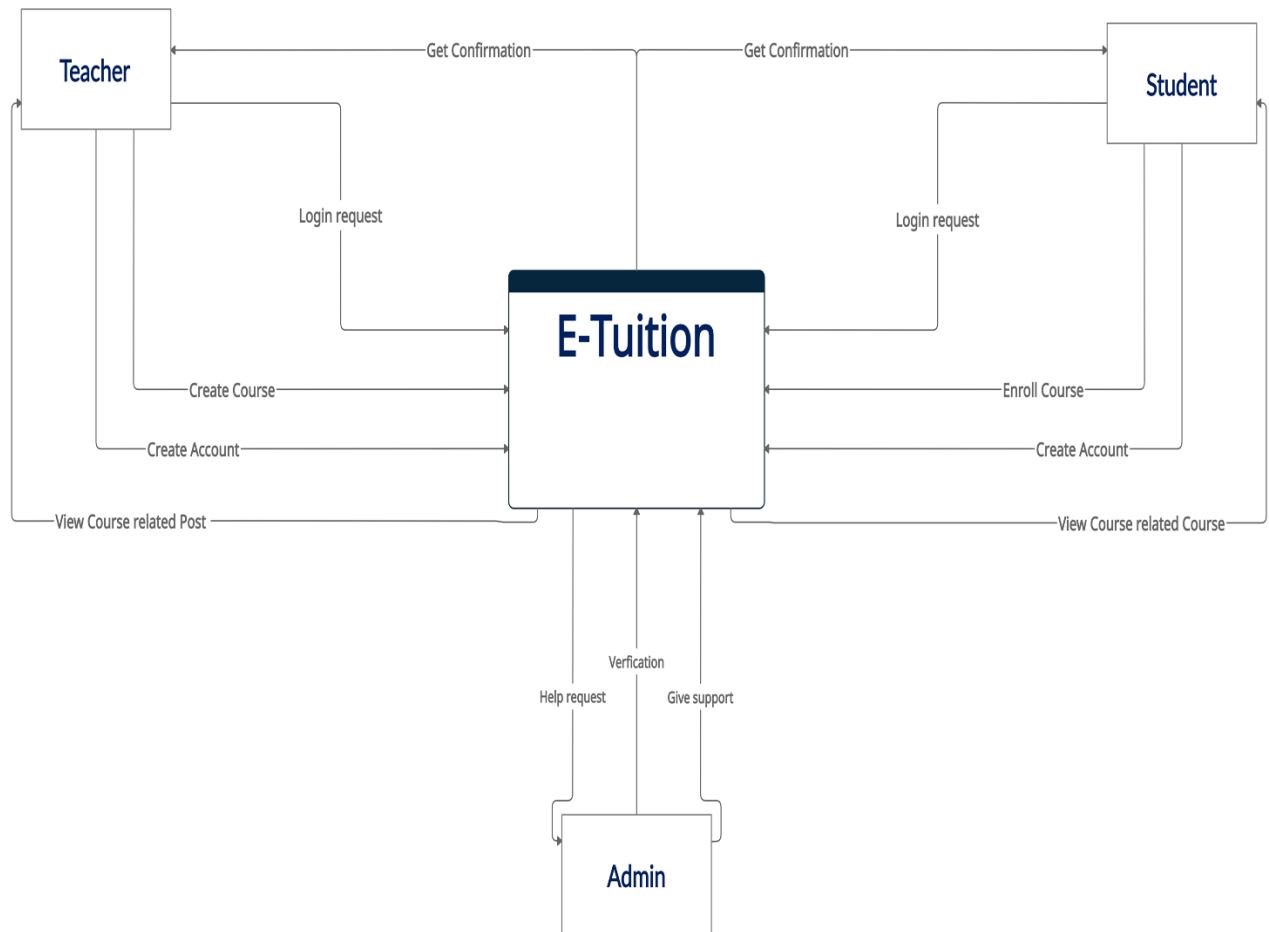
Data Flows:

- Get Confirmation
- Login request
- Create Course
- Enroll Course
- Create Account
- View Course Related Post
- Help Request
- Verification
- Give Support
- Request Data
- Get Data
- Request to View / Edit Profile
- Show Profile
- Necessary Credentials
- Saves Info
- Confirm / Denial Message
- Request Confirmation
- Necessary Data
- Check Email, Password
- Payment Verification
- Confirmation / Rejection
- Store Data
- Approve / Deny Request
- Request Verification
- Store Payment Data
- Show Payment Data
- Fetch Data
- View Data
- Enroll Request
- Accept / Rejection
- Show Info
- Store Info
- Request to Edit / View
- Payment Status

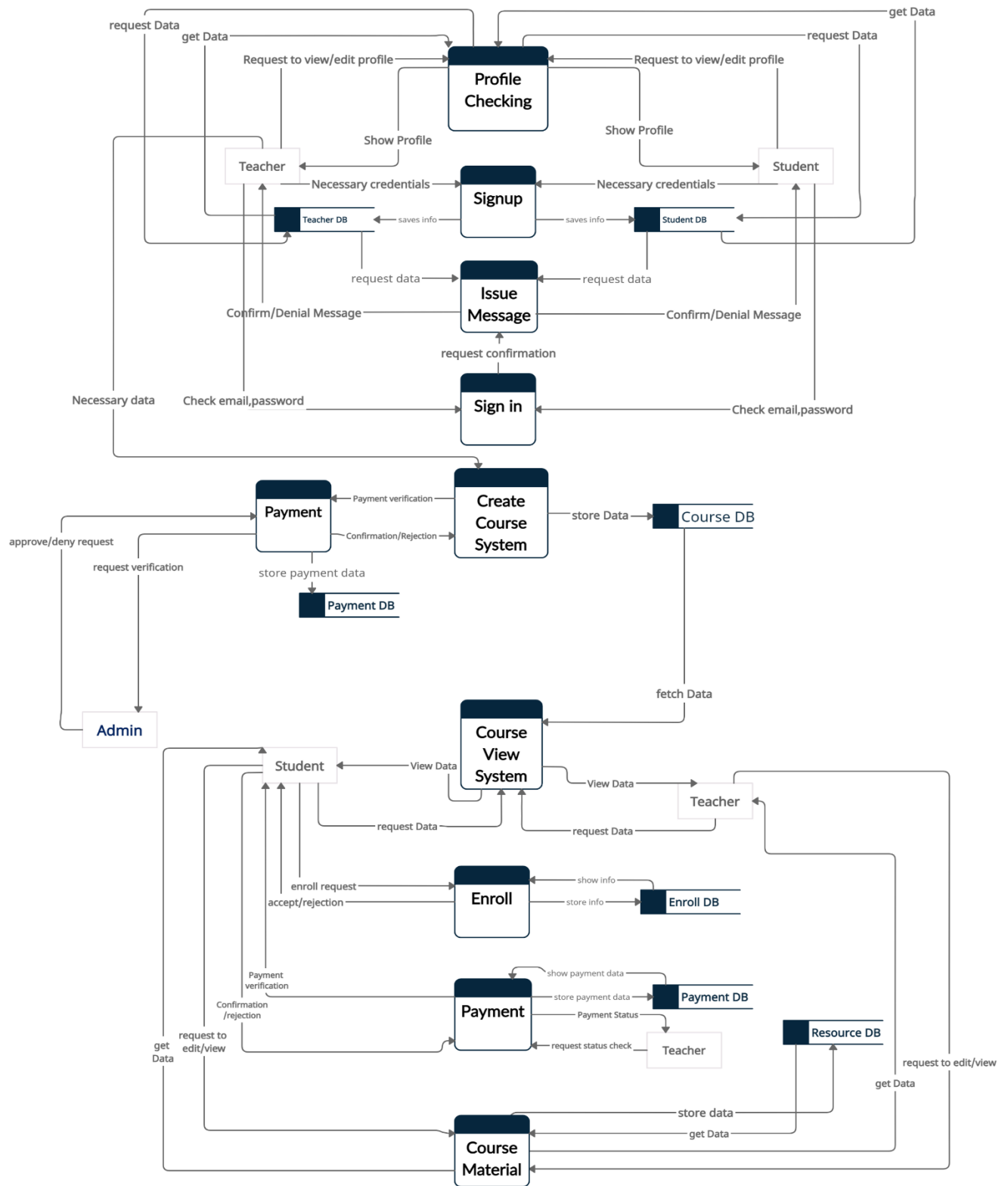
➤ Request Status Check

Data Flow Diagram

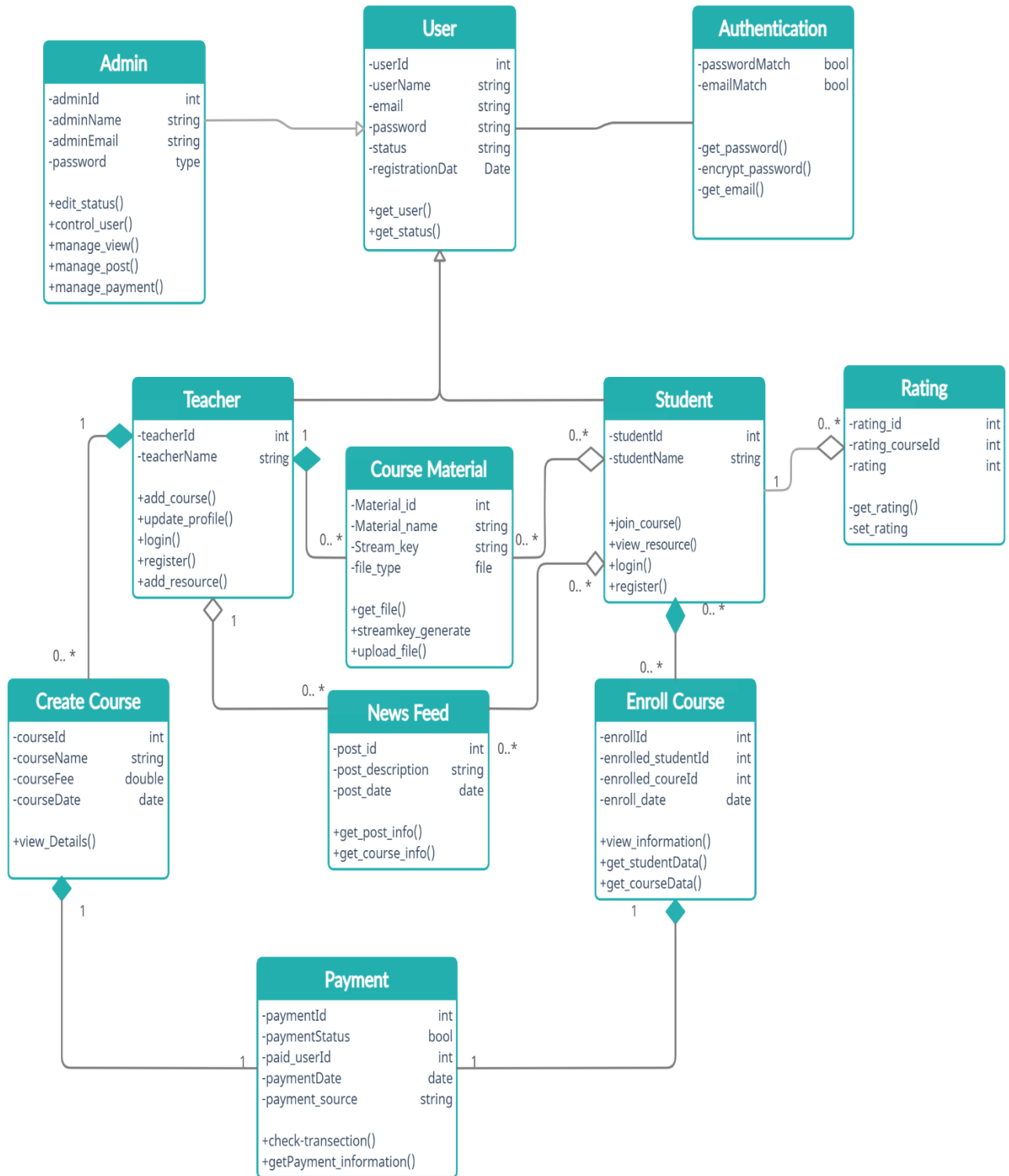
Context Diagram



Data Flow Diagram(Level 0)



Class Diagram:



Conclusion:

Data-flow diagram is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. Specific operations based on the data can be represented by a flowchart. The Data Flow Diagram will definitely help us to see the inner mechanism of our application and meet the requirements. The Data Flow Diagram will help us to understand what our application needs, what path should we follow, what way our data will be utilized. It is usually beginning with a context diagram as level 0 of the DFD diagram, a simple representation of the whole system.

A class diagram is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations and the relationships among objects. The Class Diagram will help us to analyze the static view of our application as well as design of the static view. It will help up to describe the responsibilities of our system.

