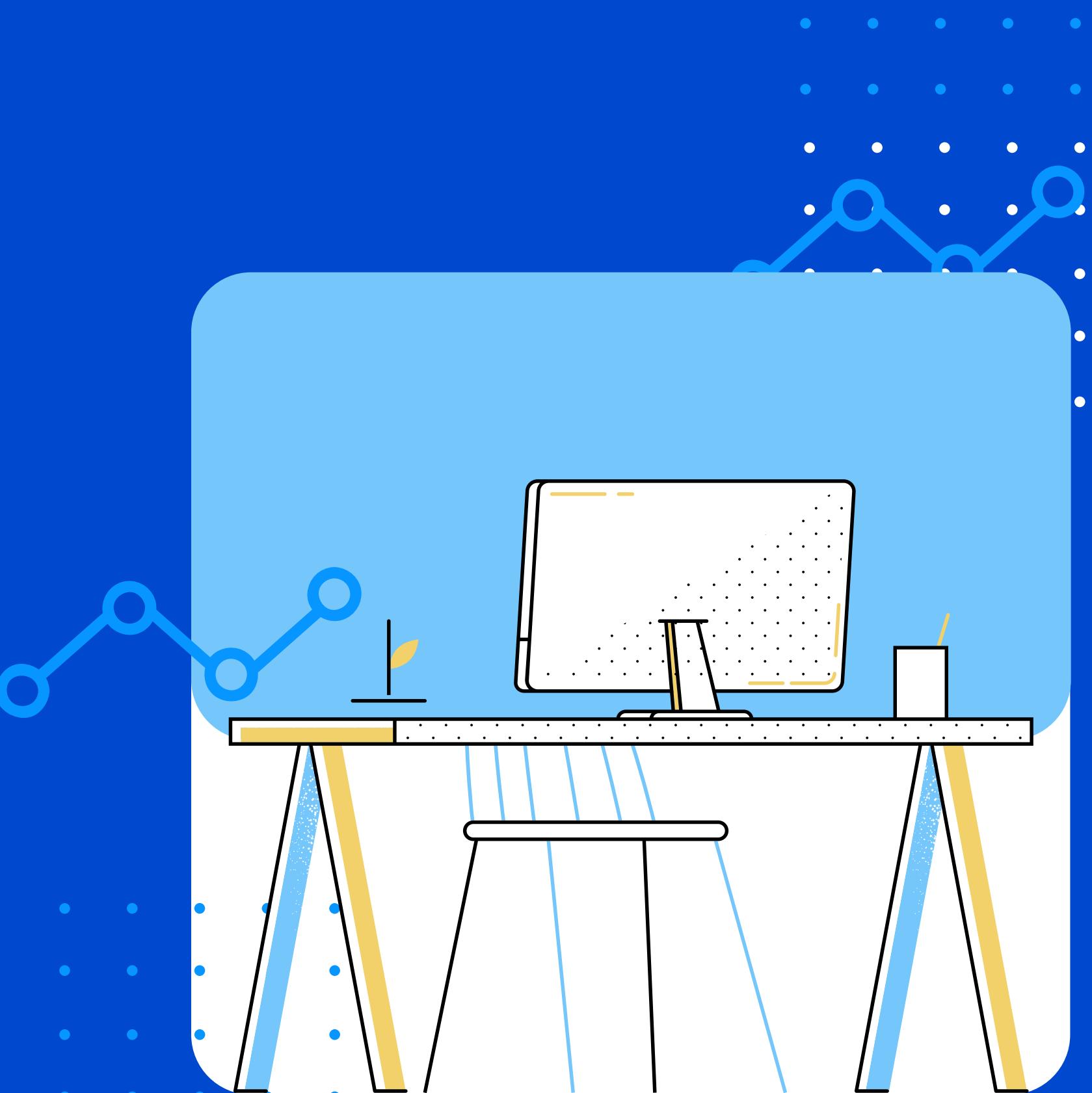


University Admission Portal

A Complete Web Based application of
online admission for the students of
Department of Computer Science.

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Why Online Admission?

Online Admission System is one the major need of the time for education department because no one wants to spend it's time in the long queue for processing documents, fee verification and all the things which needs to be verified during complete admission process, now things have been changed and everything you wants to do has become digitalize and can access and process virtually for which you don't have to be physically there which is time taken and contains complex. This is the main reason many education institutes have already adopt tothis system to meet the latest departmental/educational services for their students.



Problem Statement

Student and Staff while executing the application process for admission face some common problems which are mentioned below:

- Manually collect and submit the form by standing in long queue which is time consuming.
- Due to the paper work, the documents might have chances to lost because thousand of students apply for admission.
- Student have to visit department multiple times for complete admission process.
- Staff have to manage all things manually from form verification till to their section allocation which is complex as well as it takes much time.



Solution to the above mentioned Problems:

An inefficient admission application system may reduce the number of admitted student in the esteemed university because if the admission system is slow and having many delays in the process of complete admission application.

Solution 1

Paper based application might take long time to process. We automate the complete student application process till to their section allocation.

Solution 2

Manually filter the eligible candidates for admission is tiresome process. Our system Considering this step as major module and select the best eligible candidates for admission.

Solution 3

Our System will consider those students who are passed in the entry and provide services further services to them only.



Introduction:

University Admission Portal accommodates all the admission modules usually a university admission system consist of which are including functionality of Sign-Up form, Registration form, Fee Verification, Test Placement, Aggregate Calculation, Merit List, Section Allocation. Our main focus to facilitate the students and academic staff to provide the hassle free complete admission process which centralized all the students record accordingly.



Our Proposed Admission System

In our system, we proposed the complete application process in our module which includes Student Registration, Form Filling, Test Challan Generation & Challan Verification, Test Allocation, Aggregate Calculation, Admission Challan Generation & Verification, View Merit List and Section Allocation.

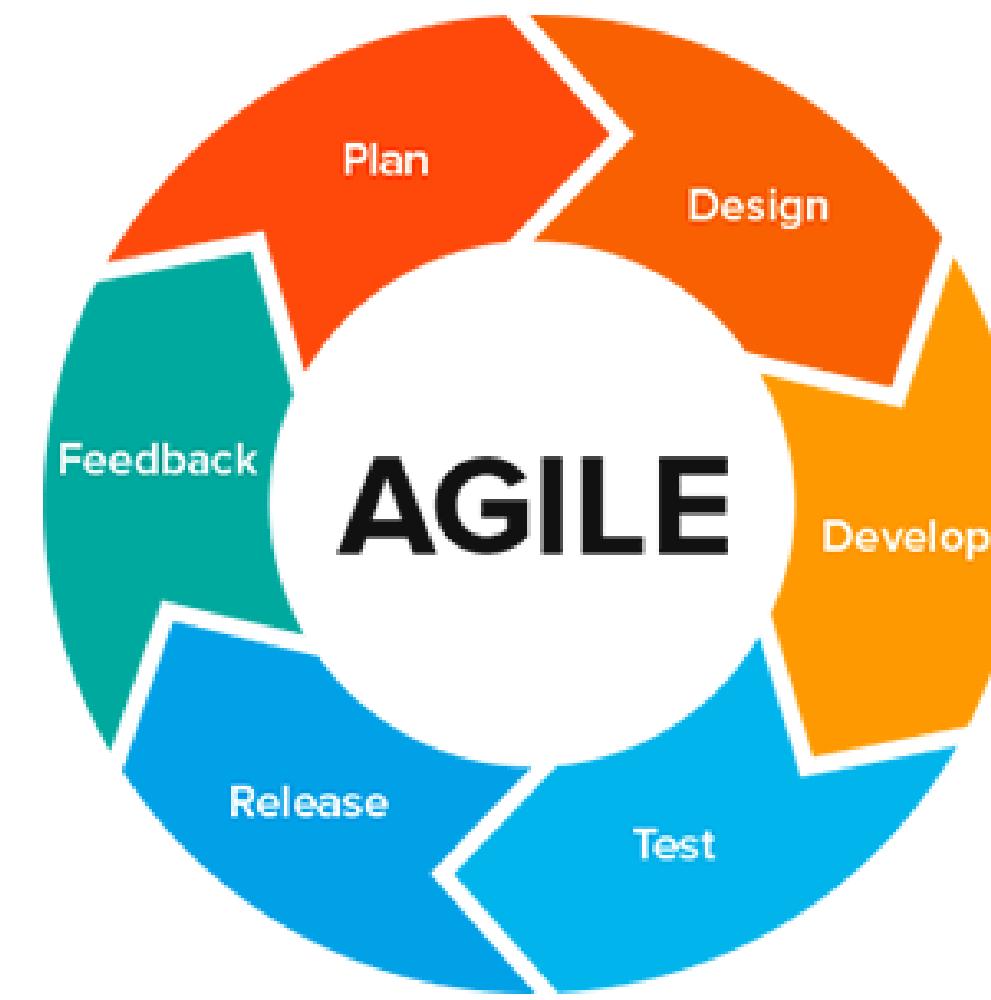
- Step 1 **Fill Application**
- Step 2 **Generate Challan**
- Step 3 **Challan Verification**
- Step 4 **Test Allocation**
- Step 5 **Aggregate Calculation**
- Step 6 **Admission Challan**
- Step 7 **View Merit List**
- Step 8 **View Section Allocation**



Process Model:

We have chosen this methodology for our application because we have short time for making this project and a small team. Agile design methodology is a best solution for software modeling or developing. Because of short deadline, the team is supposed to be agile and vigilant and communicate properly throughout the process. This method is best known for its adaptivity and flexibility. It ensures in building the valid product within a right and required time. Although there are some critics found but this is the winning solution for every software process model. Quality is checked after each release which satisfies the developer and completes the user needs. Agile Methodology involves some phases to complete each iteration:

Agile Methodology



Agile Model in Software Development Life Cycle



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Plan and Requirement

- It Includes Functional and Non-Functional requirement.

Design

- Use Case Diagram
- Entity Relation Diagram
- Class Diagram
- Sequence Diagram
- Activity Diagram
- Data Flow Diagram
- Collaboration Diagram

Develop

Test

Release

Feedback

Function Requirements: (Continued)



- **User Registration:**
User (student) will have to register first and provide necessary personal details to use the system functionalities.
- **Admin login:**
Admin can login using email and password can manage students applications.
- **Student Login:**
Student can login using email and password which he/she have register through sign-up form and can proceed further all the admission process

Function Requirements: (Continued)



- **Student Registration form:**
Students have to fill all the required details which needs to further print a challan form through our portal to allocate the test schedule.
- **Bank Challan Generation:**
Our system will allow the students to print their respective challan form for test and semester fee
- **Fee Verification:**
An admin can verify the uploaded challan form by the respective student to proceed it's further application process
- **Entry Test Date and time**
Admin will add the test venue and time to respective student.

Function Requirements:

- Result Updation

Our system will allow the users (Admin & Students) to calculate the aggregate of the student marks according to the numbers they got in their computer based entry test

- Merit List Updation

Our System will display the merit list from admin side after verifying fee submitted by the respective students

- Section Allocation

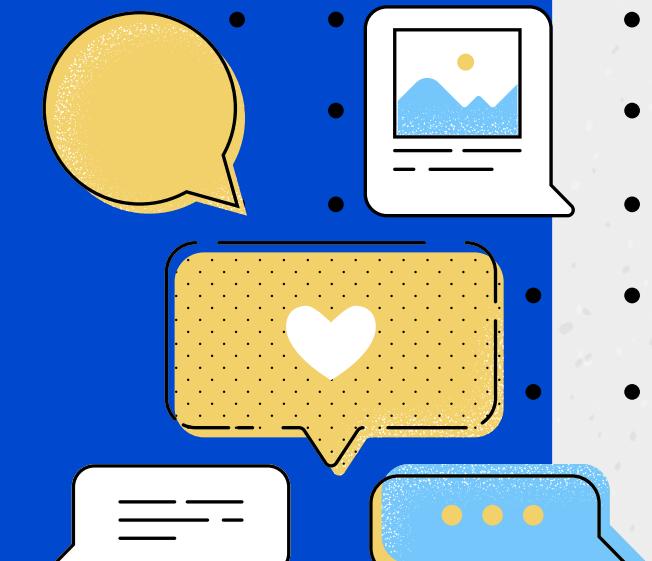
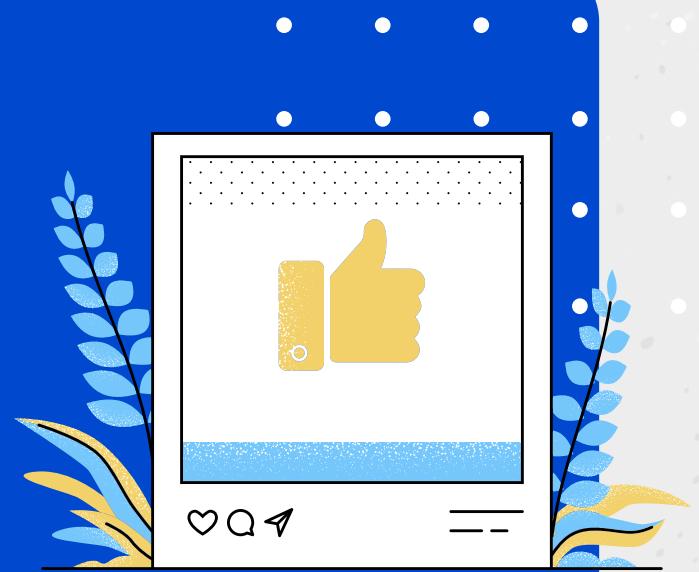
Our System will display the merit list from admin side after verifying fee submitted by the respective students



Non-Functional Requirements

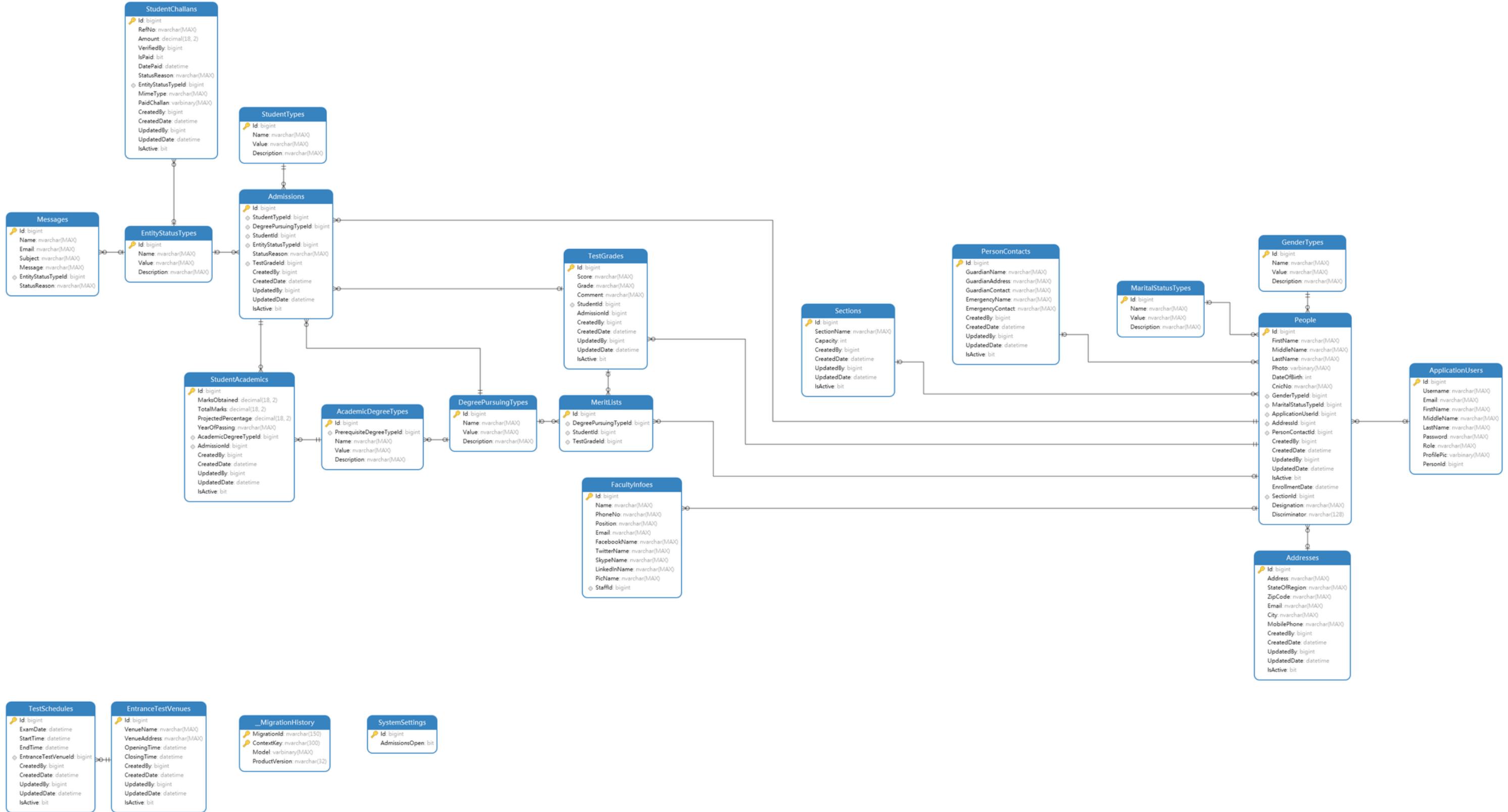
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Performance
Accessibility
Validity
Failure Handling
Secure
Flexibility
Confidentiality

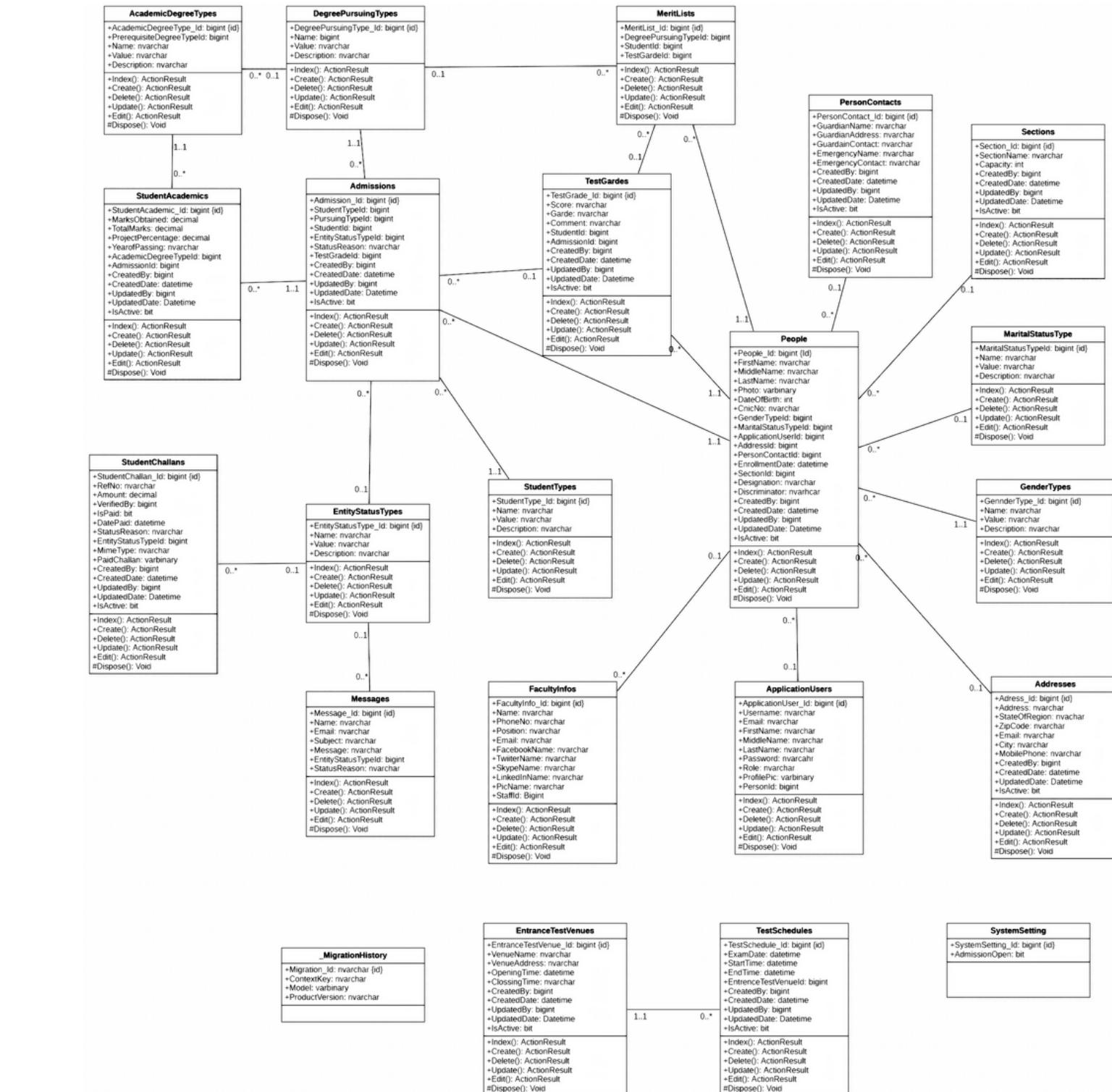


Project Design: (ERD)

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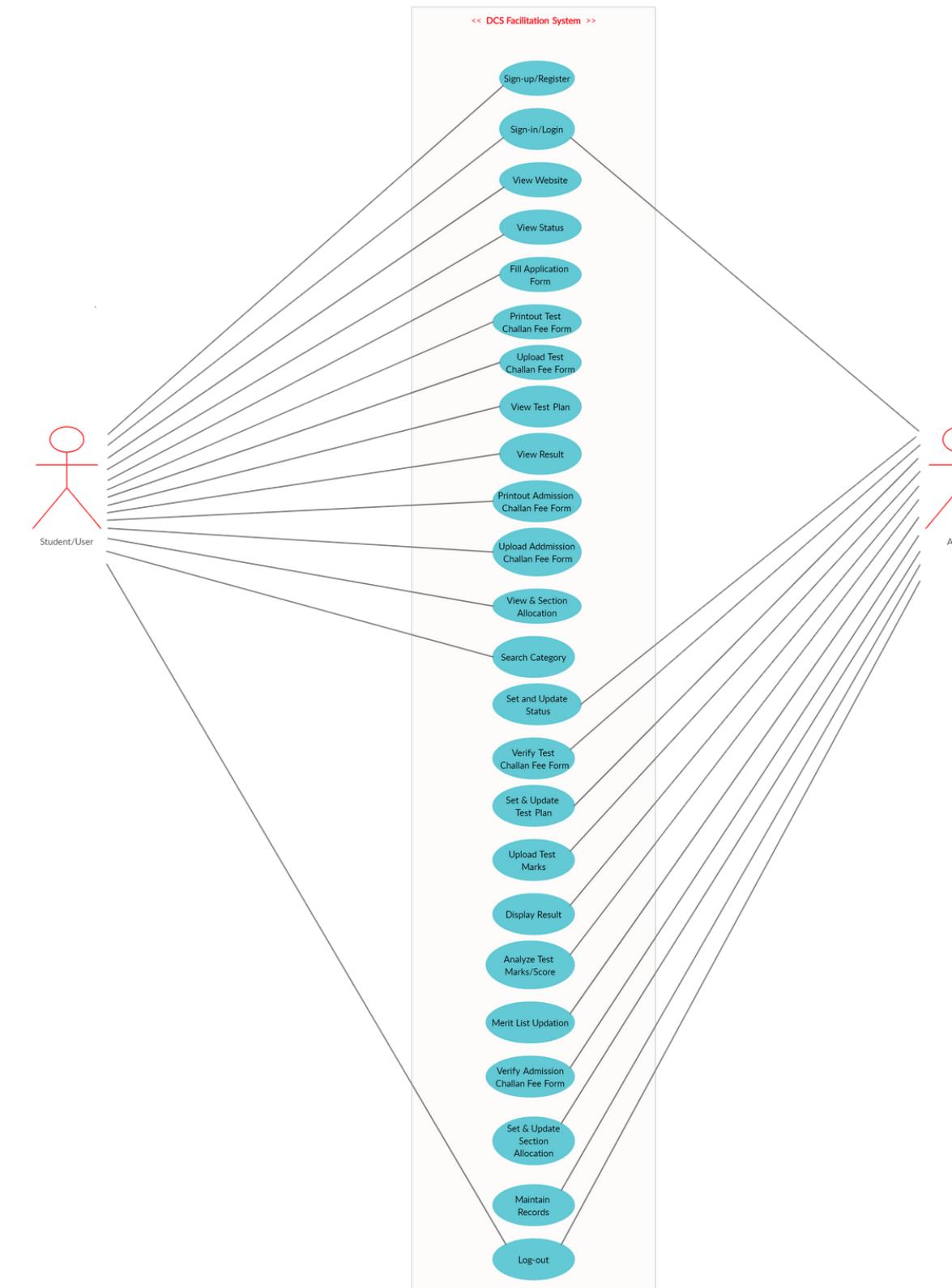


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Project Design: (Use Case Diagram)

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Implementation and Development:

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Tools & Technologies

Visual Studio 2019



Microsoft MS - SQL
Server



HTML5, CSS3, Javascript,
jQuery, Asp.Net



Approach & Technique

Model View Controller



Code - First Approach



Dynamic Front End
Content



User Interface:

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User Interface:



User Interface:



User Interface:



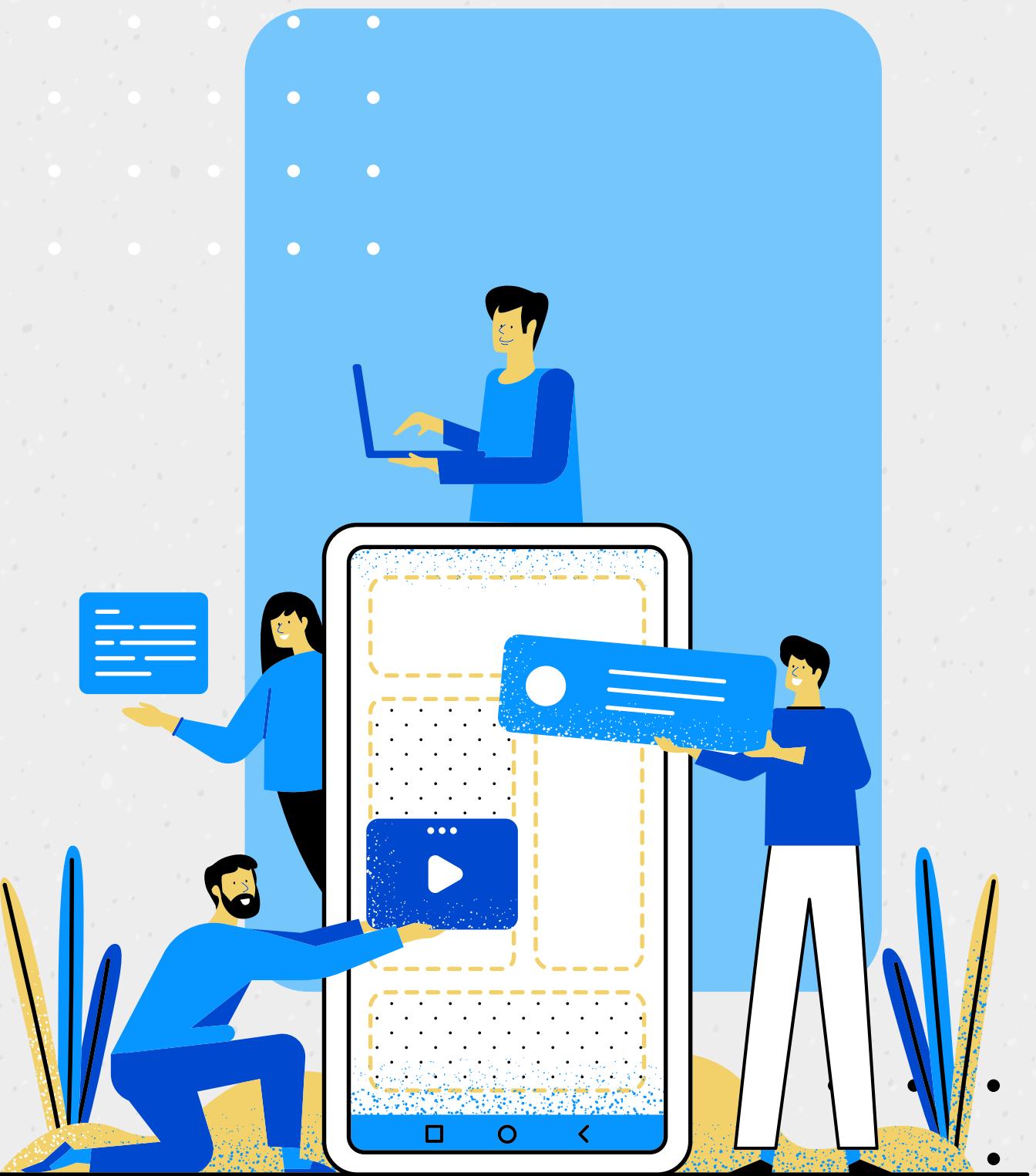
User and System Requirement:

Hardware Requirements:

- Operating system: Windows
- Corei3 2.0 GHz or higher
- RAM: 4GB or more
- Hard drive: 10 GB or More

Software Requirements:

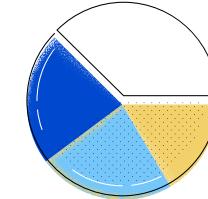
- Windows Operating System Windows 7/8/8.1/10/Server 2012/2016/2019
- Web browser e.g. Mozilla Firefox, Chrome, Edge
- .Net Framework 4.6.1
- Microsoft SQL Server 2017 or higher.



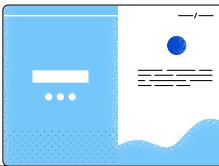
Future Work



Apply to KSK Campus



Bank Integration



CBT Integration Test Score



Improving the remaining shortcomings

Project Team



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233 - BSCS - 2016



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219 - BSCS - 2016



Special Thanks to:



Mr. Atif Ishaq Khan
Project Supervisor



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