



PES University, Bengaluru

(Established under Karnataka Act 16 of 2013)

Department of Computer Science & Engineering

Session: Jan - May 2022

UE19CS353 – Object Oriented Analysis and Design with Java

Theory ISA (Mini Project)

Report on

Examination Registration System

By:

Shreyas M R – PES1UG19CS467

SIDDHARTH SHANBHAG – PES1UG19CS483

Sneha P – PES1UG19CS490

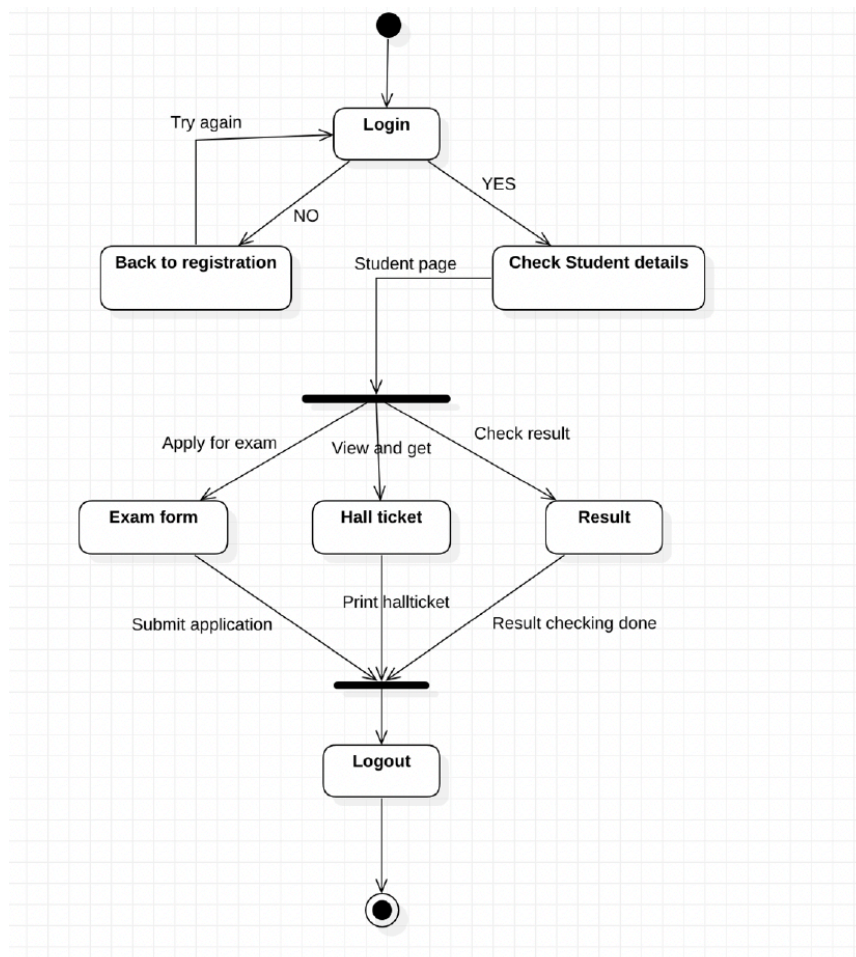
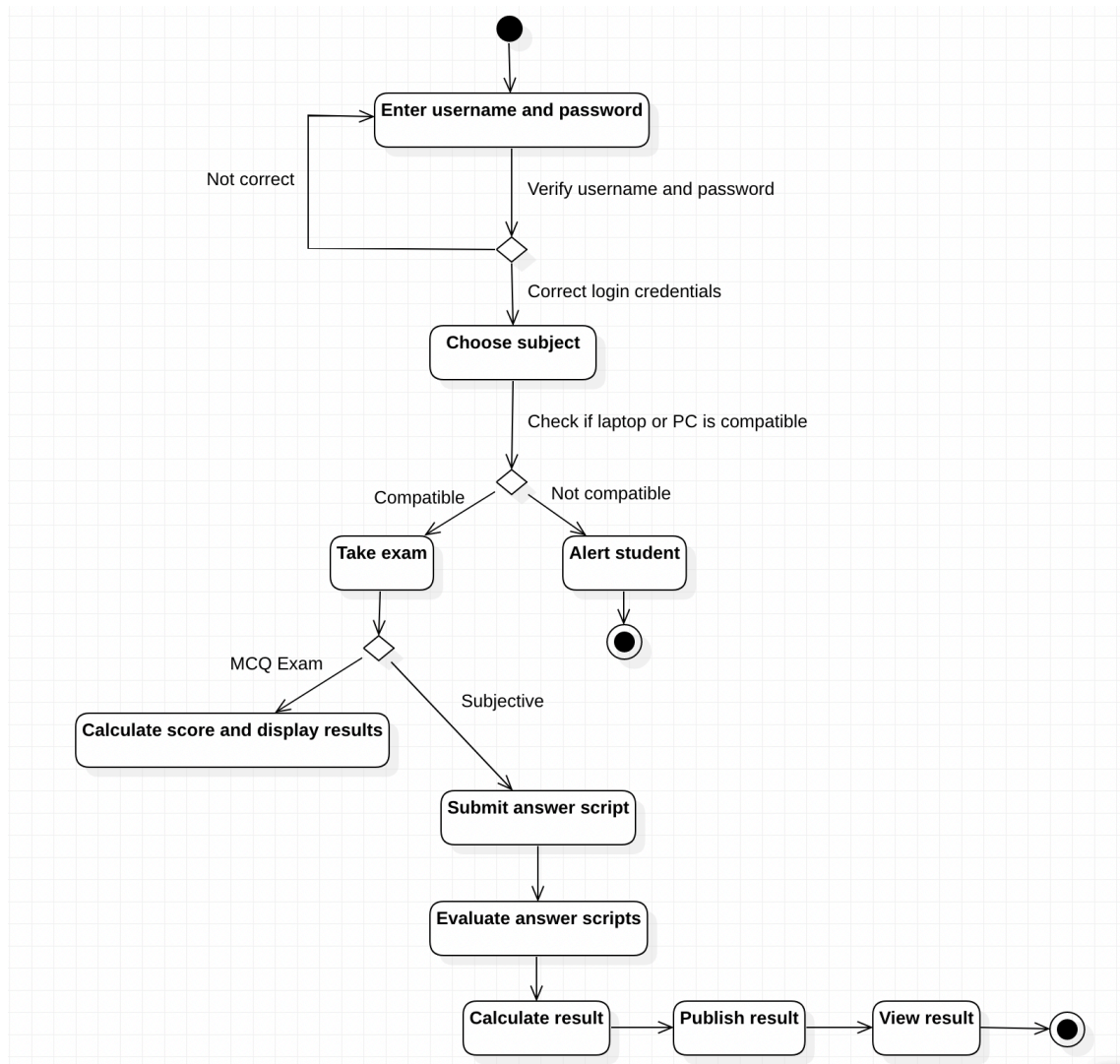
6th Semester H

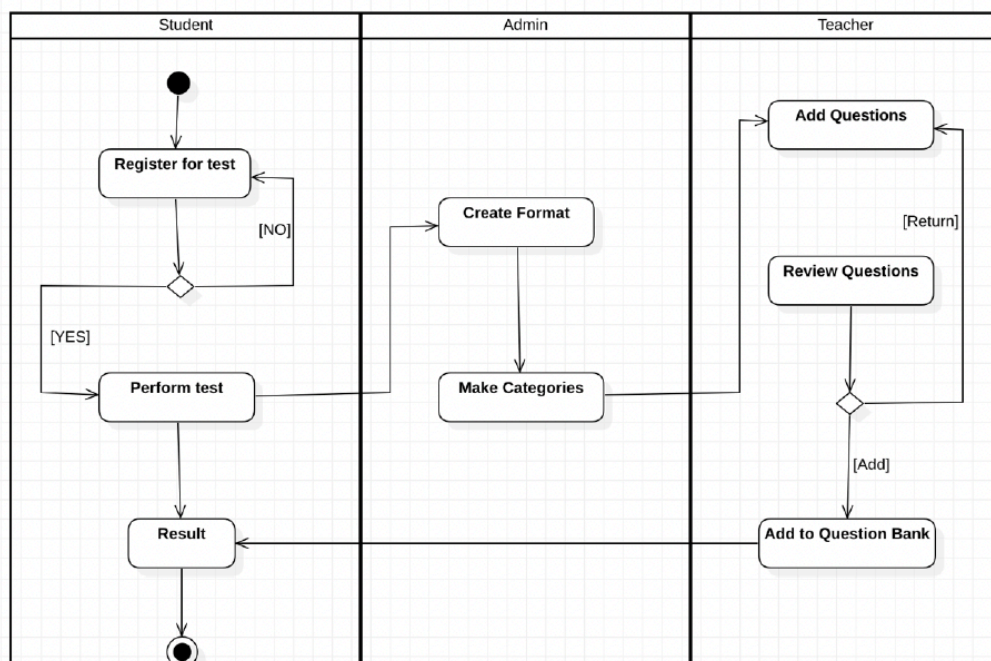
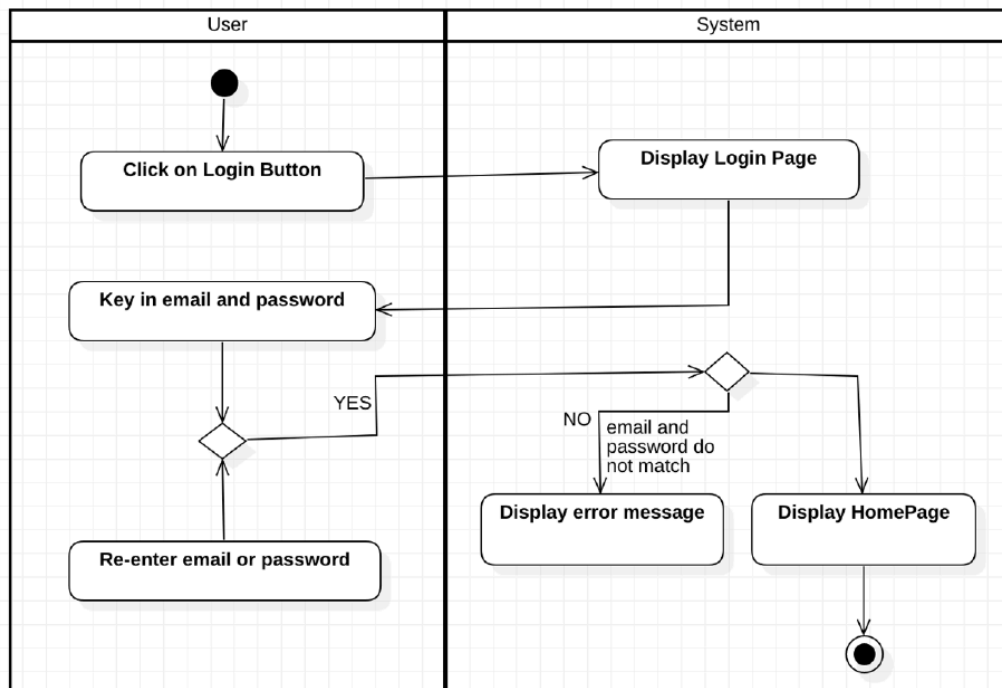
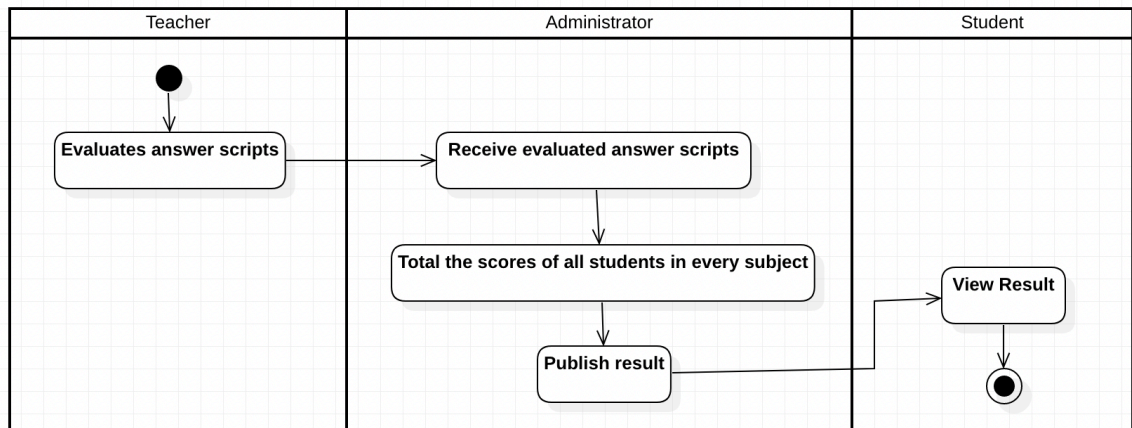
1. Project Description

- This project elaborates the functionalities of an online examination system.
- Three main actors: Administrator, Student and Teacher
- GitHub link: https://github.com/shreyas38/OOAJ_Project

2. Analysis and Design Models

- The project is structured using MVC architecture.
- All the actors along with the examination, courses, question papers have all a model, view and controller.
- The controller controls all the functionalities, model describes each class and view shows what it looks like.
- Admin has access to view and update both student and teacher information.
- Teacher can set a question paper and review the answer script.
- The student has access to the question paper and submits the answer script.
- Examination has take exam functionality which enables the student to register and take the exam.





3. Tools and Frameworks Used

- VS Code, MySQL

4. Design Principles and Design Patterns Applied

- “Don’t Repeat Yourself”, “Keep it Simple, Stupid” principles
- Facade Design Pattern: Facade is a structural design pattern that provides a simplified (but limited) interface to a complex system of classes, library or framework. While Facade decreases the overall complexity of the application, it also helps to move unwanted dependencies to one place.

5. Application Screenshots (3-4 important pages)

6. Team member contributions

Shreyas M R	PES1UG19CS467	Code, Report
Sneha P	PES1UG19CS490	Code, Report
Siddharth Shanbhag	PES1UG19CS483	Code