

# ***SOFTWARE REQUIREMENT SPECIFICATION FOR ASSESSMENT PLATFORM***

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<b>SEAT NO</b>	410
<b>PROJECT ID</b>	1
<b>PROBLEM STATEMENT</b>	ASSESSMENT PLATFORM

## Introduction:

- ❖ The purpose of this document is to present a detailed description of the Assessment Interface. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate, and how the system will react to external stimuli.

## Scope of the project:

- ❖ This software system will serve as a comprehensive assessment platform for educational purposes, enabling educators to create and administer assessments that include multiple-choice questions (MCQs), short answer questions, and matching questions.

- ❖ From an administrative perspective, this system will provide robust tools for managing assessments, analyzing student performance, and compiling results.

#### Project Overview:

- ❖ Describe the purpose of the project and its target audience.
- ❖ Provide a brief overview of the assessment interface, including its key features and functionalities.

#### User Stories:

- ❖ As a student, I want to be able to log in and access assessments assigned to me.
- ❖ As a teacher, I want to be able to create, edit, and assign assessments to students.
- ❖ As an administrator, I want to be able to manage user accounts and view assessment results.

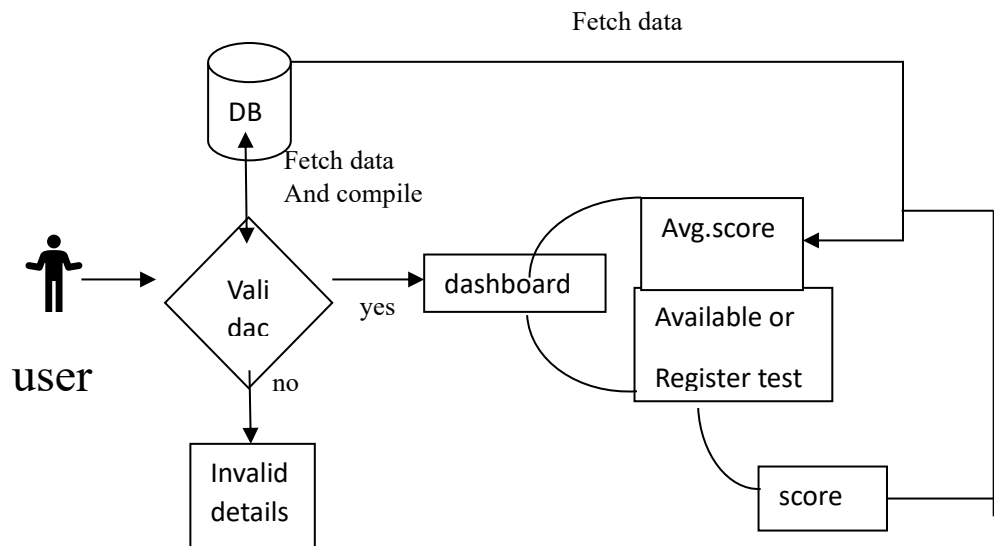
#### Functional Requirements:

- ❖ User Authentication: Users should be able to register, log in, and log out securely.
- ❖ Assessment Creation: Teachers should be able to create assessments, add different types of questions (MCQs, short answers, matching), and specify correct answers.
- ❖ Assessment Taking: Students should be able to view available assessments, answer questions, and submit their responses.
- ❖ Compiler Integration: The interface should support code execution and evaluation for programming questions.

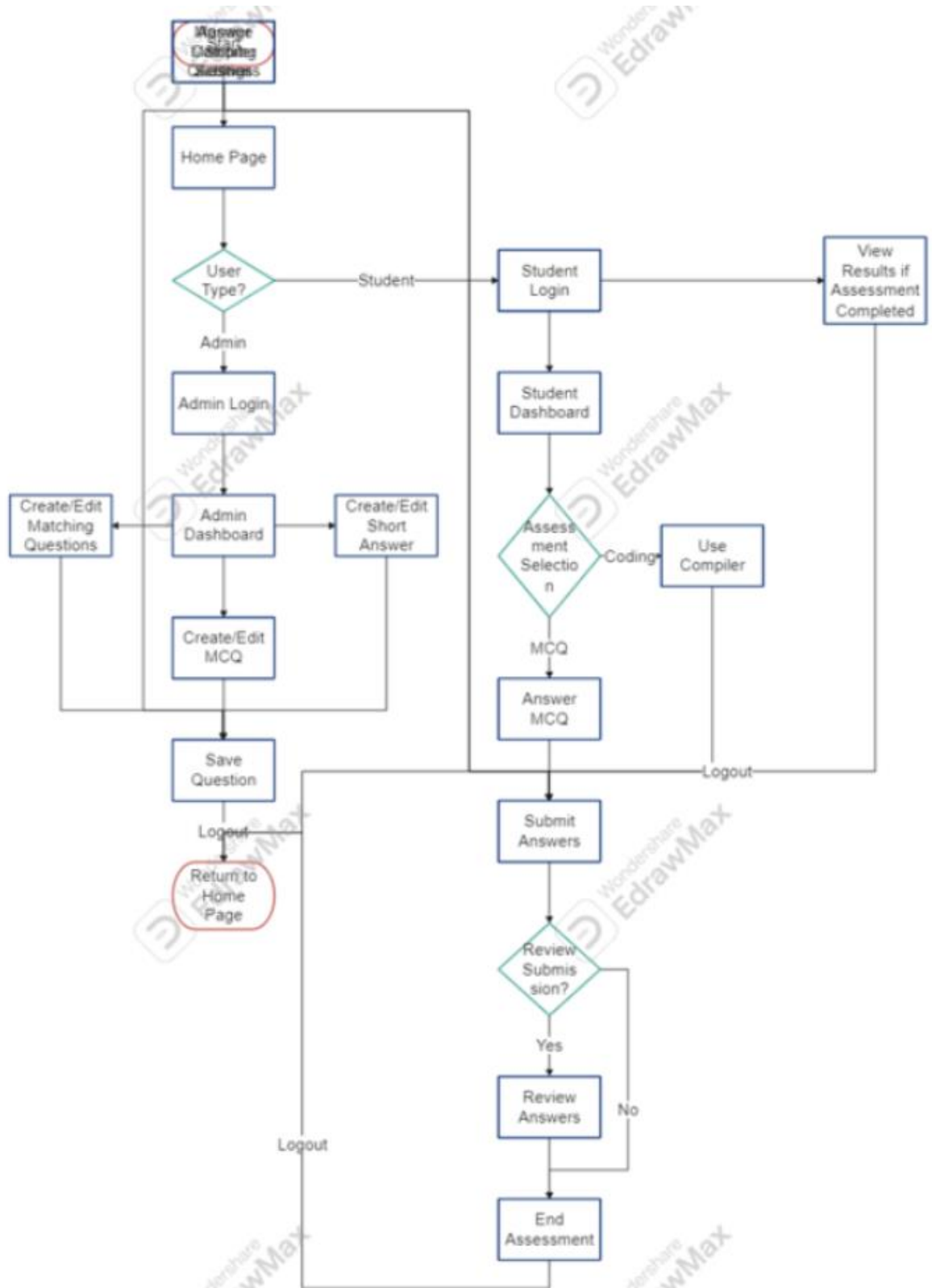
#### Technical Requirements:

- ❖ Backend Framework: Flask or Django for Python backend development.
- ❖ Frontend Framework: HTML,CSS,JS
- ❖ Database: PostgreSQL or MySQL for storing assessment data and user information.
- ❖ Compiler: Choose a suitable compiler or interpreter for executing programming questions (e.g., Python for Python questions, Node.js for JavaScript questions).

✚ User interface for a student:



✚ flowchart:



Figma design

UTOPIA

Dashboard

ACADEMIC

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Exam Board

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Grade Report

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Semester: 3 of 8

January 2024

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Prof. Smith

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Advanced Web Design - ITD201

Dr. Johnson

Tuesday & Thursday

1:30 PM - 3:00 PM

Computer Lab 3

User Experience Research - UXD301

Prof. Davis

Monday & Saturday

11:00 AM - 12:30 AM

Design Lab 2

3D Animation Techniques - ANI301

Dr. Martinez

Wednesday

2:00 PM - 5:00 PM

Animation Studio

Homeworks

Graphic Fundamentals

Assignment: Design Project 1

Due Date: February 10, 2024

Advanced Web Design

Assignment: Responsive Website Project

Due Date: March 5, 2024

Course Plan

Attendance

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Announcements

SETTINGS

Account Settings

Notification Preferences

Logout

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Animation Studio

Exam Board

Exam Name

Course

Date

Time

Location

Status

Graphic Design Fundamentals

ART101

Jan 25, 2024

10:00 AM

Design Studio A

Completed

Digital Illustration

ART103

Feb 5, 2024

02:00 PM

Computer Lab 2

Completed

UX/UI Design Principles

UXD301

Mar 10, 2024

01:00 PM

Design Lab 1

Upcoming

History of Design Essay

ART101

Apr 2, 2024

09:45 AM

Lecture Hall B

Upcoming

Product Design Prototype

ITD201

May 15, 2024

11:15 AM

Prototype Lab

Upcoming

Color Theory and Application

ART103

June 8, 2024

02:15 PM

Design Studio B

Upcoming

Visual Communication Design

ART202

Nov 20, 2024

2:00 PM

Design Studio B

Upcoming

Homeworks

Graphic Fundamentals

Assignment: Design Project 1

Due Date: February 10, 2024

Advanced Web Design

Assignment: Responsive Website Project

Due Date: March 5, 2024

User Experience Research

Assignment: Usability Testing Report

Due Date: April 15, 2024

Digital Photography

Assignment: Photojournalism Project

Due Date: April 8, 2024

3D Animation

Assignment: Character Animation Project

Due Date: May 20, 2024