Software Requirements Specification

for

KTYS Student Portal

Version 1.0

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1. Introduction

1.1 Purpose

The purpose of this project is to suggest adding an additional feature to the KTYS student portal which is a feature where students can view their past semester results.

1.2 Document Conventions

To create a system that students can view their transcript from every past semester exams.

Provide this Main Function into the system

• Login page for admins to manage database
• Homepage for students to see their students' information

1.3 Intended Audience and Reading Suggestions

Types of Users	Description
User(Students)	Act as people who can view the system in the existing website and use the system functions provided by the developers.

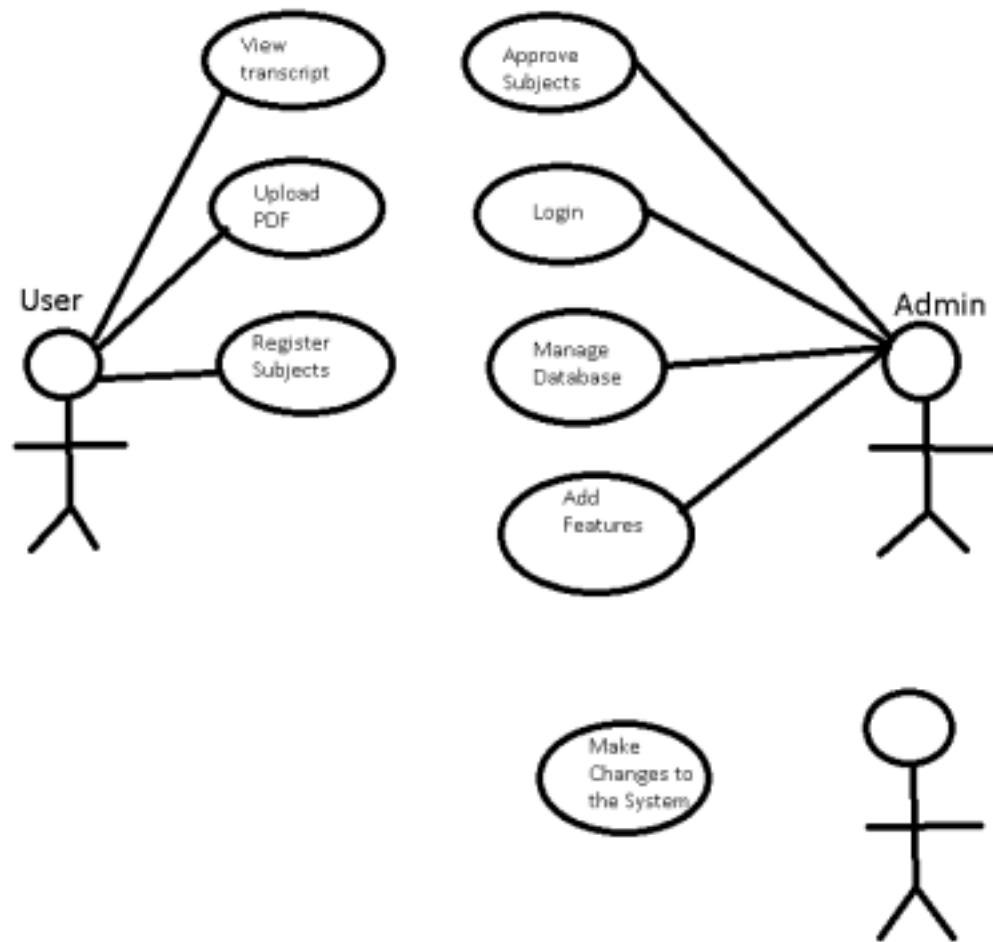|	
Admin	**Act as people who are responsible for the information in the database as well as the system security so that the system will not be intruded by outsiders**
Developer	**Act as leaders in developing the functionality in accordance with the project-adopted standard and procedures**

1.4 Project Scope

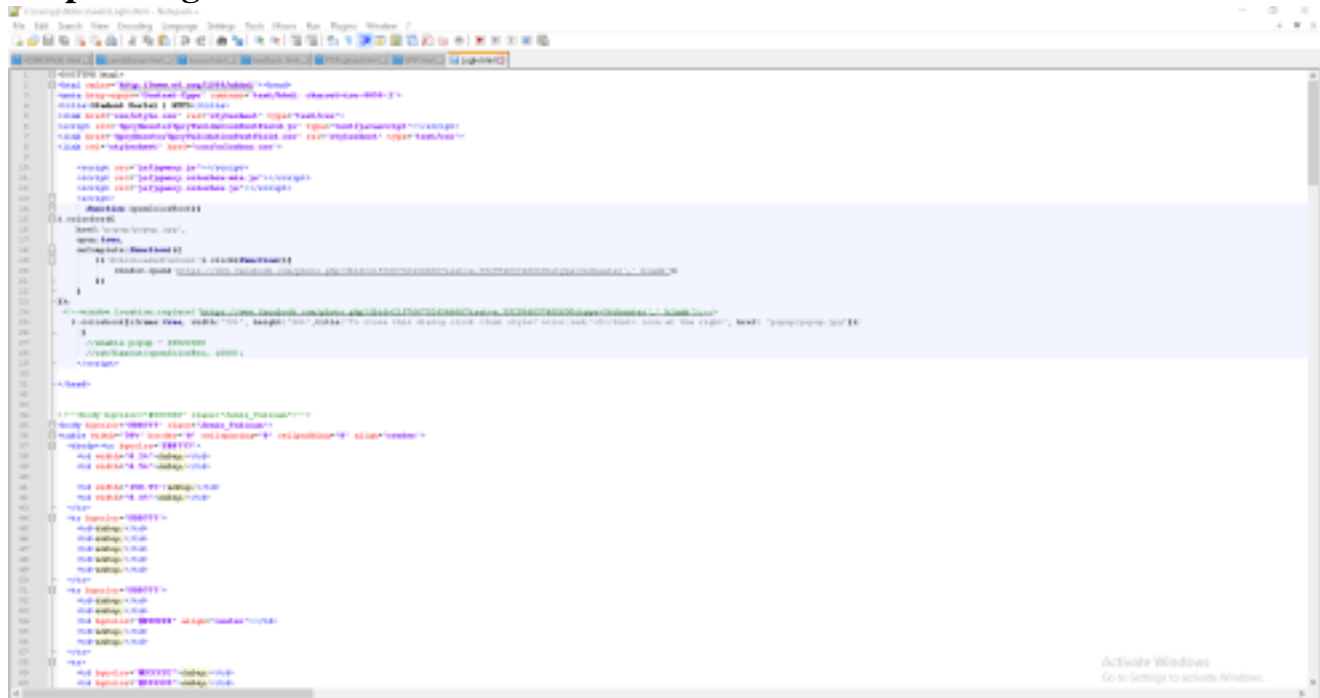|	**Students**
Subjects Registration Page	**Where students can register their course subjects for the next semester**
HomePage	**Where students can view their information**
PDF Upload Page	**Where students can upload their forms online**
View Exam Results Page	**Where students can view their past semester exam results**

2. Overall Description

2.1 Product Perspective

Use Case Diagram

2.2 Operating Environment

Notepad++ to code the student portal

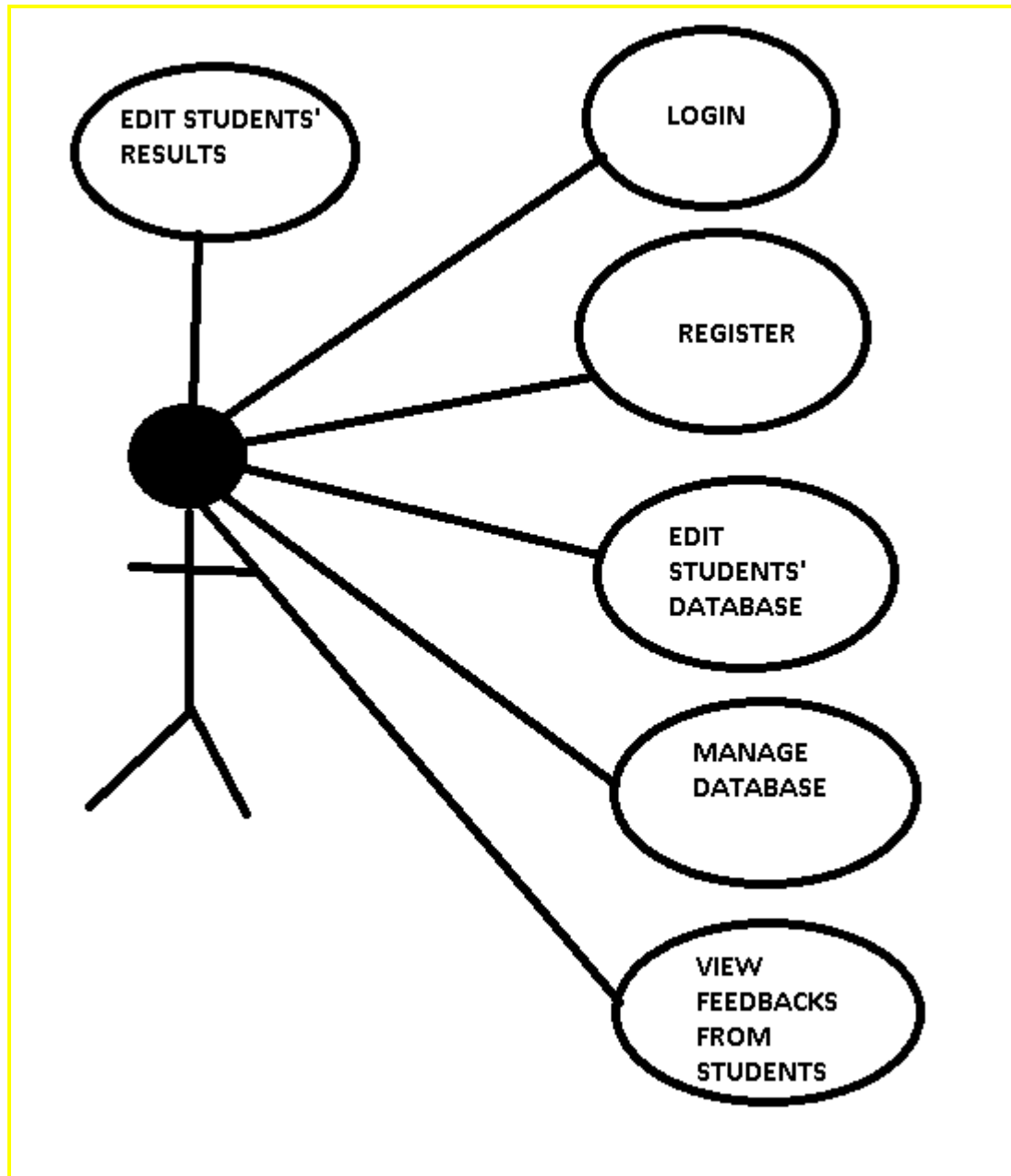## 2.5 Design and Implementation Constraints

2.4 Design and Implementation Constraints

• Time constraints

• Errors in retrieving database

• Lack of expert in creating systems

• Internet and software sharing problem

• Security of system that can easily be modified by any parties

3. System Features
3.2 Admin Feature
Admin Use case

3.2.1 As an admin, I want to login so that I can access the merit system

System Name	KTYS Student Portal
Team Id	**SD_01**
Number # Title	1 Student Portal Login Page
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Login I can access the home page of the student portal
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 View Students' Transcript
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Can edit the students' Exam results from past semesters
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 View Feedback
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Receive feedbacks from students about The student portal
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	Low

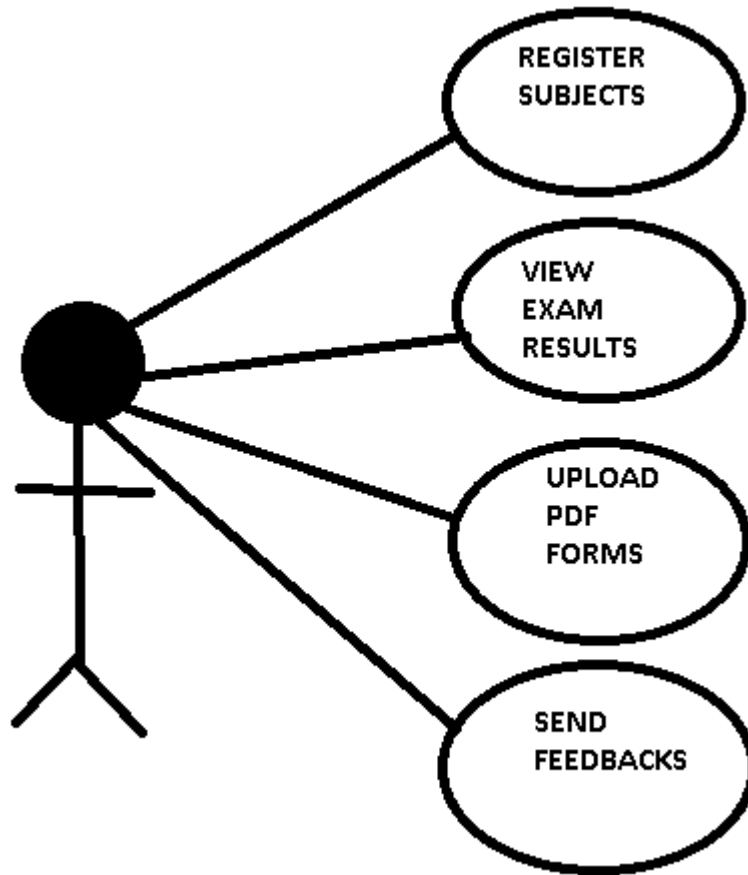| System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 View PDF Forms
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Can view PDF forms uploaded by the students
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 Register Subjects
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Can delete and add subjects
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 Registered Subjects
Sprint	1
Status	PLANNING
Description As I want to So that	An admin Can delete and add subjects
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

3.3 User Feature

User Use Case:

System Name	KTYS Student Portal
Team Id	**SD_01**
Number # Title	1 Registering subjects
Sprint	1
Status	PLANNING
Description As I want to So that	A user can register their subjects for the next semester
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 Uploading PDF forms
Sprint	1
Status	PLANNING
Description As I want to So that	A user can upload their forms online
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	**SD_01**
Number # Title	1 View past semester results
Sprint	1
Status	PLANNING
Description As I want to So that	A user can view their past semester results
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

System Name	KTYS Student Portal
Team Id	SD_01
Number # Title	1 Give feedbacks
Sprint	1
Status	PLANNING
Description As I want to So that	A user can send feedbacks about errors and bugs of the student portal
Acceptance	1. Fully functioning button 2. No dummy button
Task	1. Analyse button details 2. Design button 3. Coordinate button 4. Coding
Priority	High

4. External Interface Requirements

4.1 User Interfaces

The characteristics needed in designing UI:

1) Responsive

2) Attractive

3) Consistent

4) Efficient

5) Familiar

6) User friendly

4.2 Software Interfaces

The software interfaces bring something essential as it is a language, coding and messages that programs use to interact with each other and to the hardware. To develop a system, a program such as a code compiler is widely use as it has the capability to translate computer code written in one programming language into another language. List of software used to build our system is:

1)Notepad++

2)Xampp

5. Other Nonfunctional Requirements

5.1 Safety Requirements

Safety requirements are those requirements that are for the purpose of reducing risks.

No.	Safety Requirements
1	Maintain data integrity by keeping backups of all updates to the database
2	The system should be able to restore itself to its previous state in case there is any failure

5.2 Security Requirements

A security requirement is a statement of needed security functionality that ensures one of many different security properties of software is being satisfied.

No.	Safety Requirements
1	Admins can only login after the have been registered into the database
2	Unauthorized access to the system and its data should not be allowed
3	Backup copies should be stored in secure file locations
4	The system should be secure from hackers

5.3 Performance Requirements

No.	Performance requirements
1	Any transmission of data must be transmitted securely to the server without any changes in the data
2	The system must be reliable in terms of its operations and for securing sensitive details
3	Proper login mechanism for admins should be used in order to avoid hackers