FDRS

(Free Distribution Resources System)

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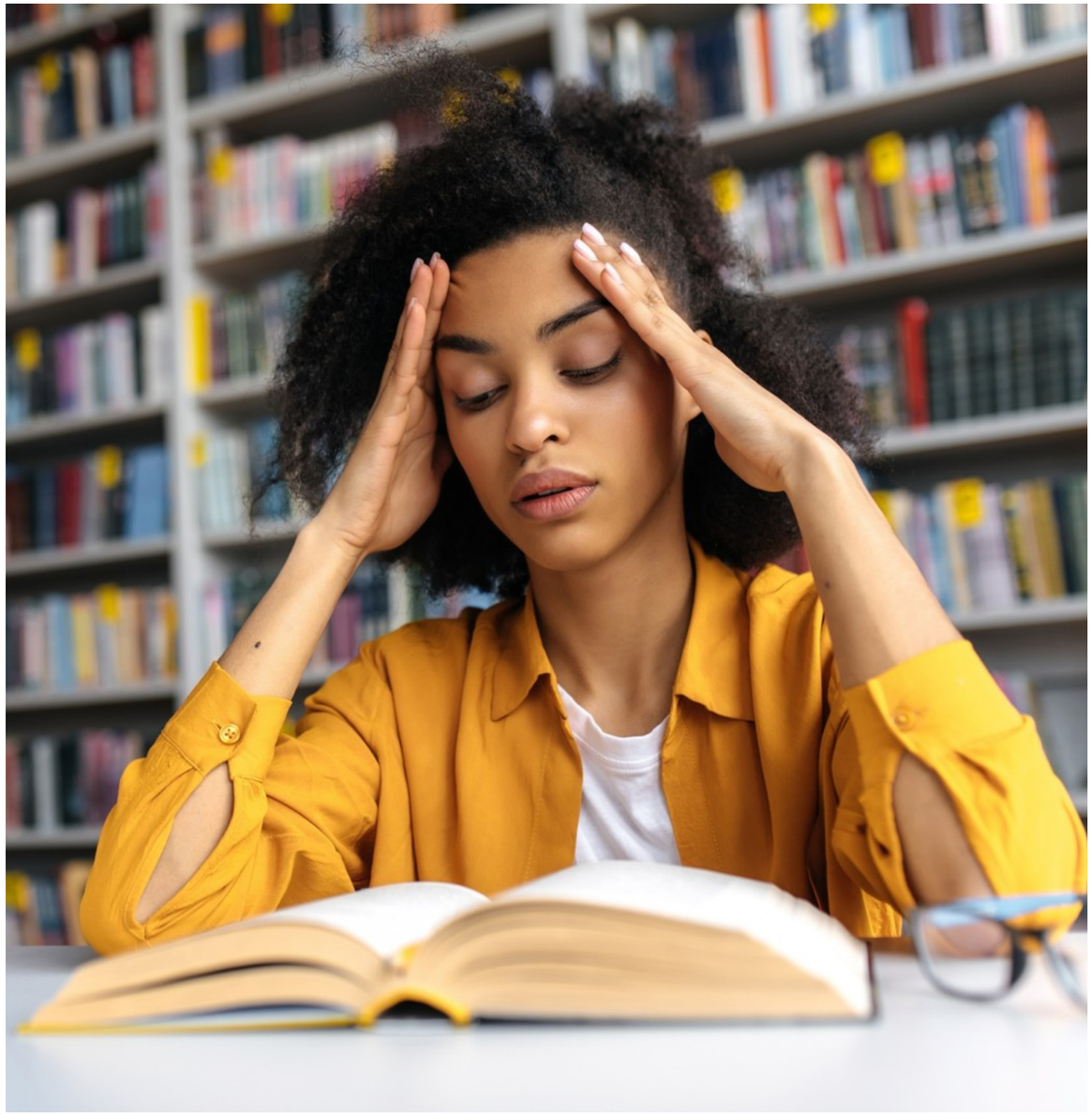
CHAPTER ONE

INTRODUCTION

1.1PROBLEM

WHATS OUR CHALLENGE THAT WE WANT TO SOLVE ?

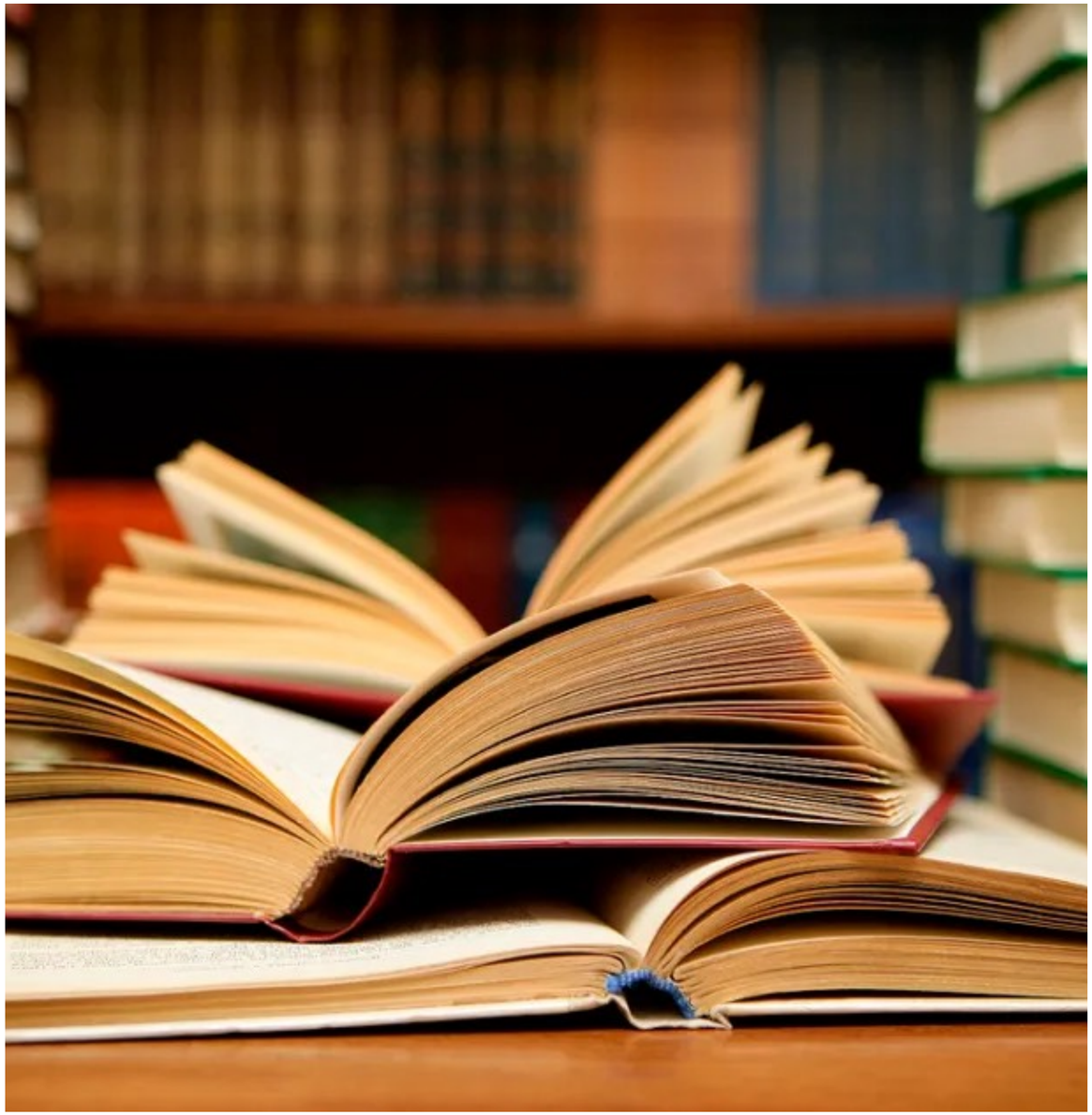


SOLUTION

WHAT DID WE DO ABOUT OUR PROBLEM?

1.3 RELATED WORK

WHAT'S NEW IN OUR SOLUTION ?



1.4 TECHNOLOGY AND TOOLS TO BE USED

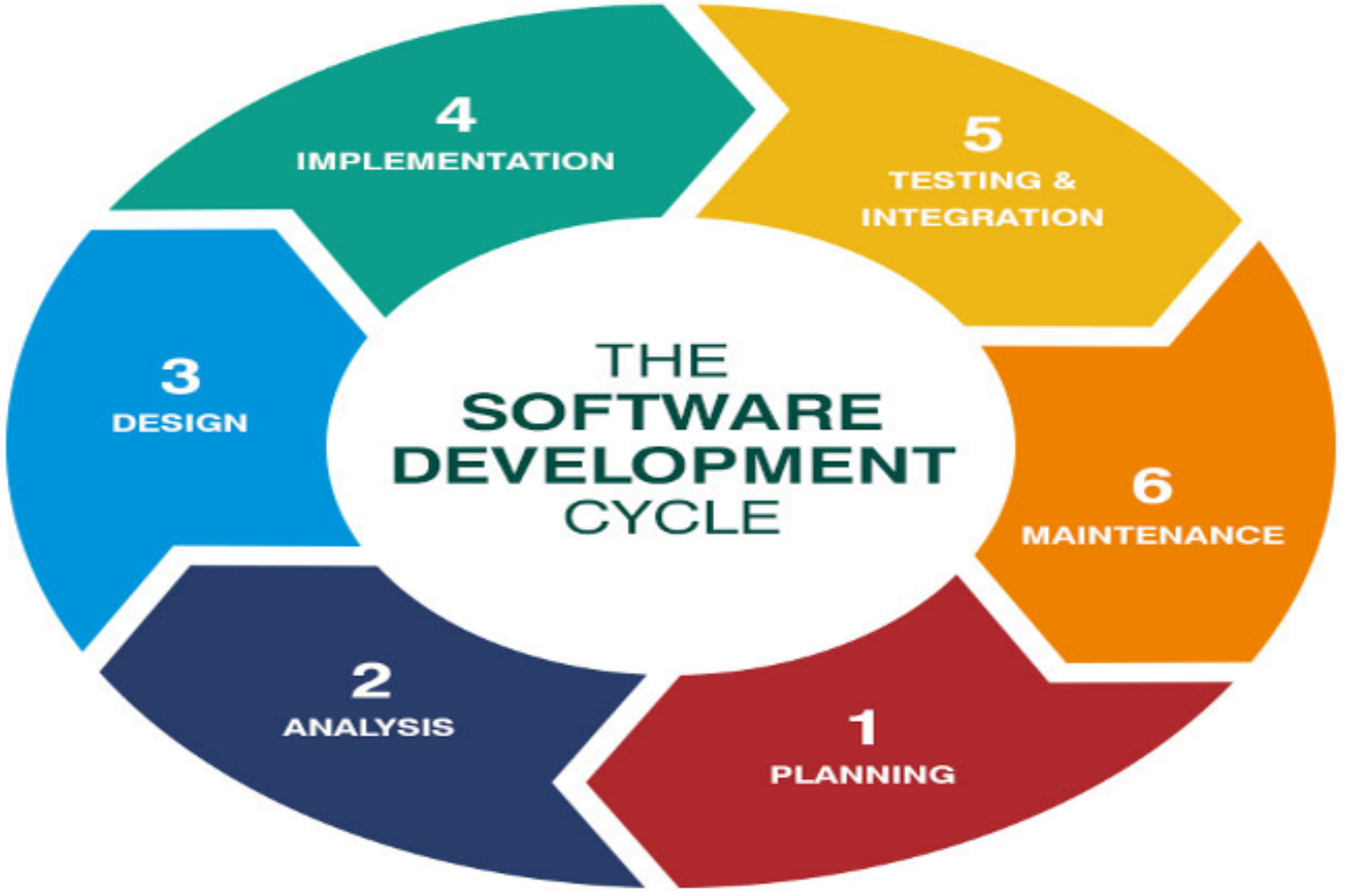
CHAPTER TWO

PROJECT PLAN

2.1 PROJECT OBJECTIVES

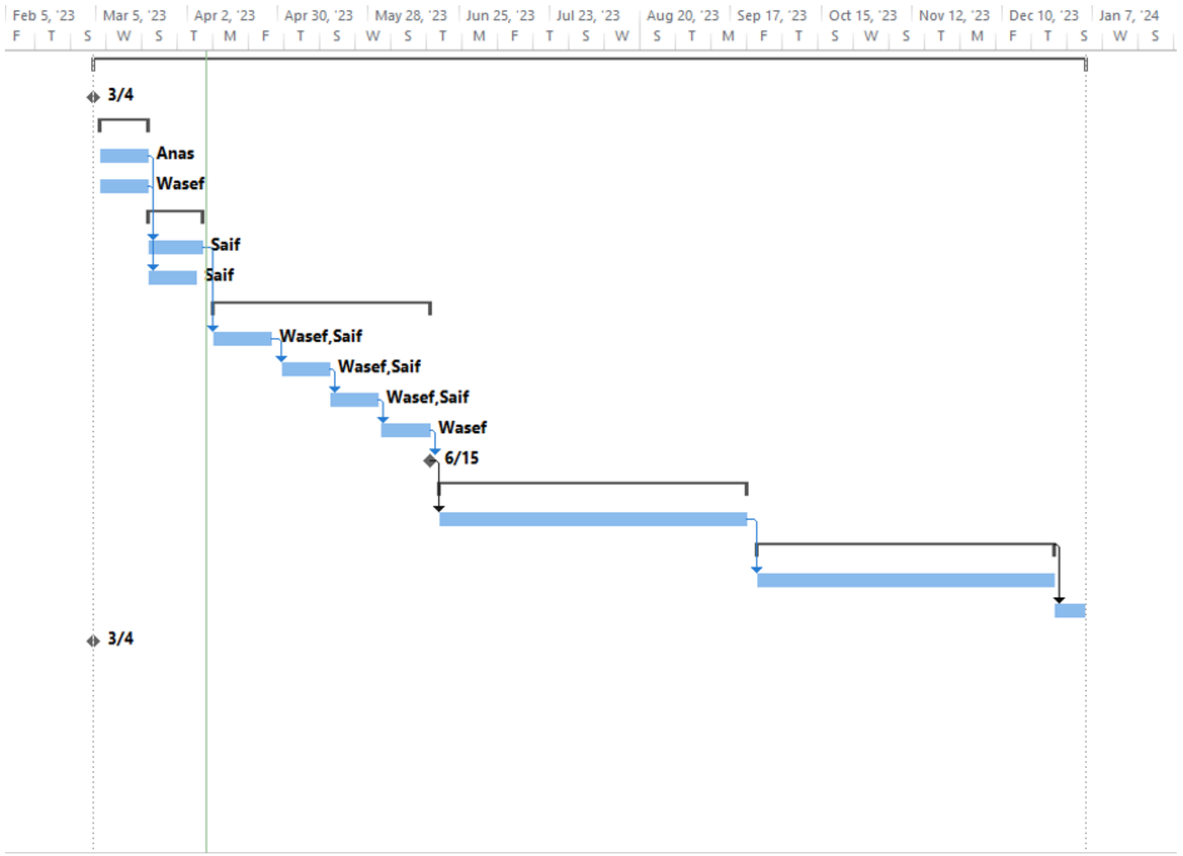
- Provide users in the university with the new up to date academic references.
- Provide users in the university to ability to share and upload their academic resources.
- Provide users to search for resources (Books...Etc.) Based on their specific needs.
- Provide users a user friendly interface that it easy to navigate.
- Provide users the ability to download the required resource if available.
- Provide users with video tutorials.
- Provide users the ability to review the Resource (book…etc.)
  - Provide a guest with less features
- An admin login page where admin can add books, videos or page sources.
- Open link for learning websites.

2.3 SOFTWARE PROCESS MODEL



2.4-2.5 PROJECT SCHEDUALE & CHART

Task Name	Duration	Start	Finish	Predecessors	Resource Names
E-library	**128 days**	**Sat 3/4/23**	**Thu 1/4/24**		
Start	0 days	Sat 3/4/23	Sat 3/4/23		
Project Planning	**7 days**	**Mon 3/6/23**	**Mon 3/20/23**		
Project statement	7 days	Mon 3/6/23	Mon 3/20/23		Anas
project Objectives	7 days	Mon 3/6/23	Mon 3/20/23		Wasef
Requirements and anaylsis	**8 days**	**Tue 3/21/23**	**Thu 4/6/23**		
Funcational requirements	8 days	Tue 3/21/23	Thu 4/6/23	4,5	Saif
non-functional requrirements	7 days	Tue 3/21/23	Tue 4/4/23	4,5	Saif
Arcititcture and design	**28 days**	**Mon 4/10/23**	**Thu 6/15/23**		
use case diagrams	7 days	Mon 4/10/23	Thu 4/27/23	7	Wasef,Saif
use case flow-of-events	7 days	Mon 5/1/23	Mon 5/15/23	10	Wasef,Saif
class diagram	7 days	Tue 5/16/23	Tue 5/30/23	11	Wasef,Saif
Entity relationship diagram	7 days	Thu 6/1/23	Thu 6/15/23	12	Wasef
End of Project 1.	0 days	Thu 6/15/23	Thu 6/15/23	13	
Implementation	**40 days**	**Mon 6/19/23**	**Thu 9/21/23**		
Coding	40 days	Mon 6/19/23	Thu 9/21/23	14	
Testing & integration	**40 days**	**Mon 9/25/23**	**Mon 12/25/23**		
Testing the code	40 days	Mon 9/25/23	Mon 12/25/23	16	
Deployement and maintenance	5 days	Tue 12/26/23	Thu 1/4/24	17	
End of project 2	0 days	Sat 3/4/23	Sat 3/4/23		



CHAPTER THREE

REQUIRMENTS AND ANALYSIS

3.1 FUNCTIONAL REQUIRMENTS

3.2 NON-FUNCTIONAL REQUIRMENTS

CHAPTER FOUR

ARCHITTECURE & DESGIN

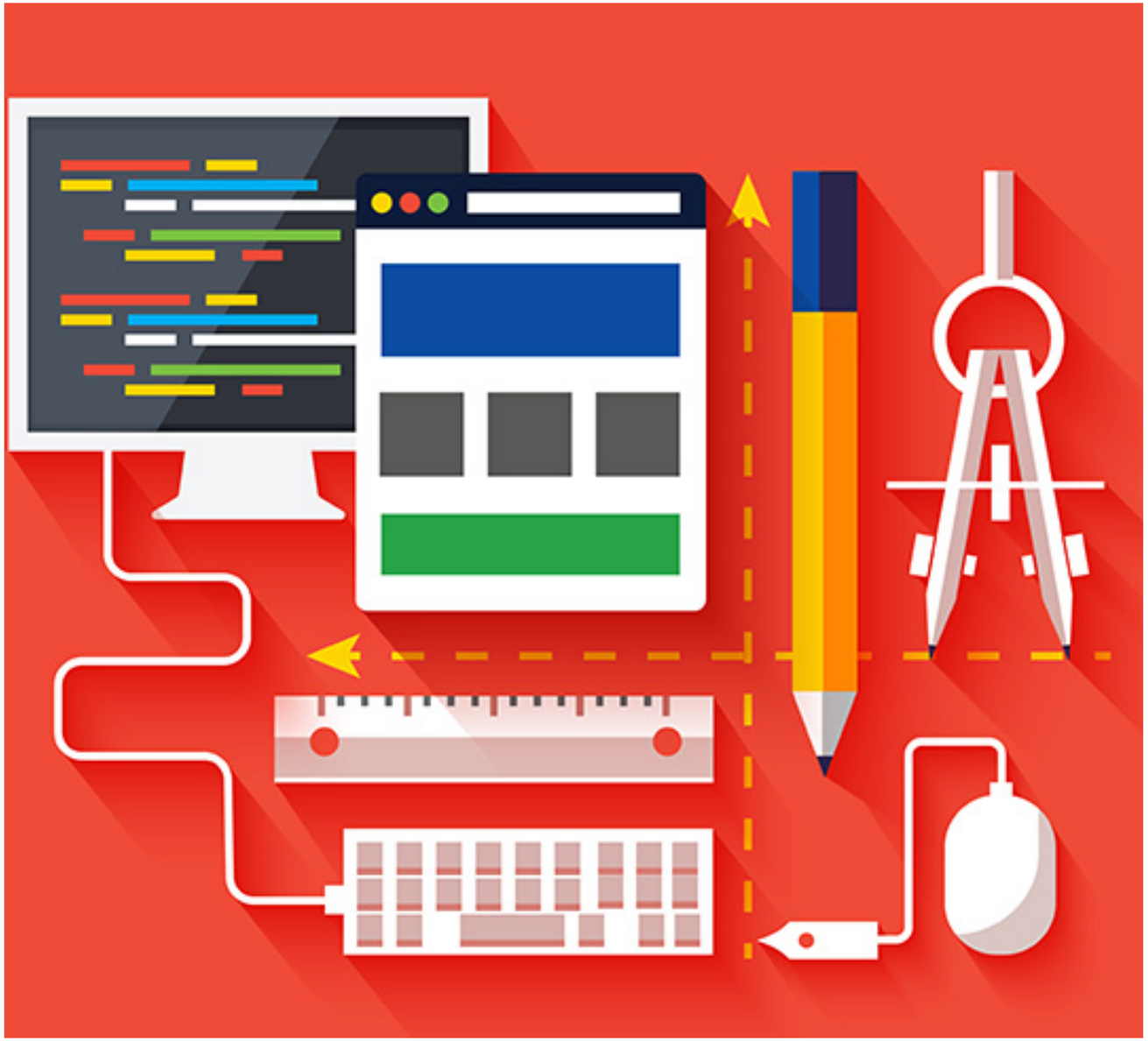
4.1 ARCHITECTURE

WE USED 3 LAYERS FOR OUR WEBSITE

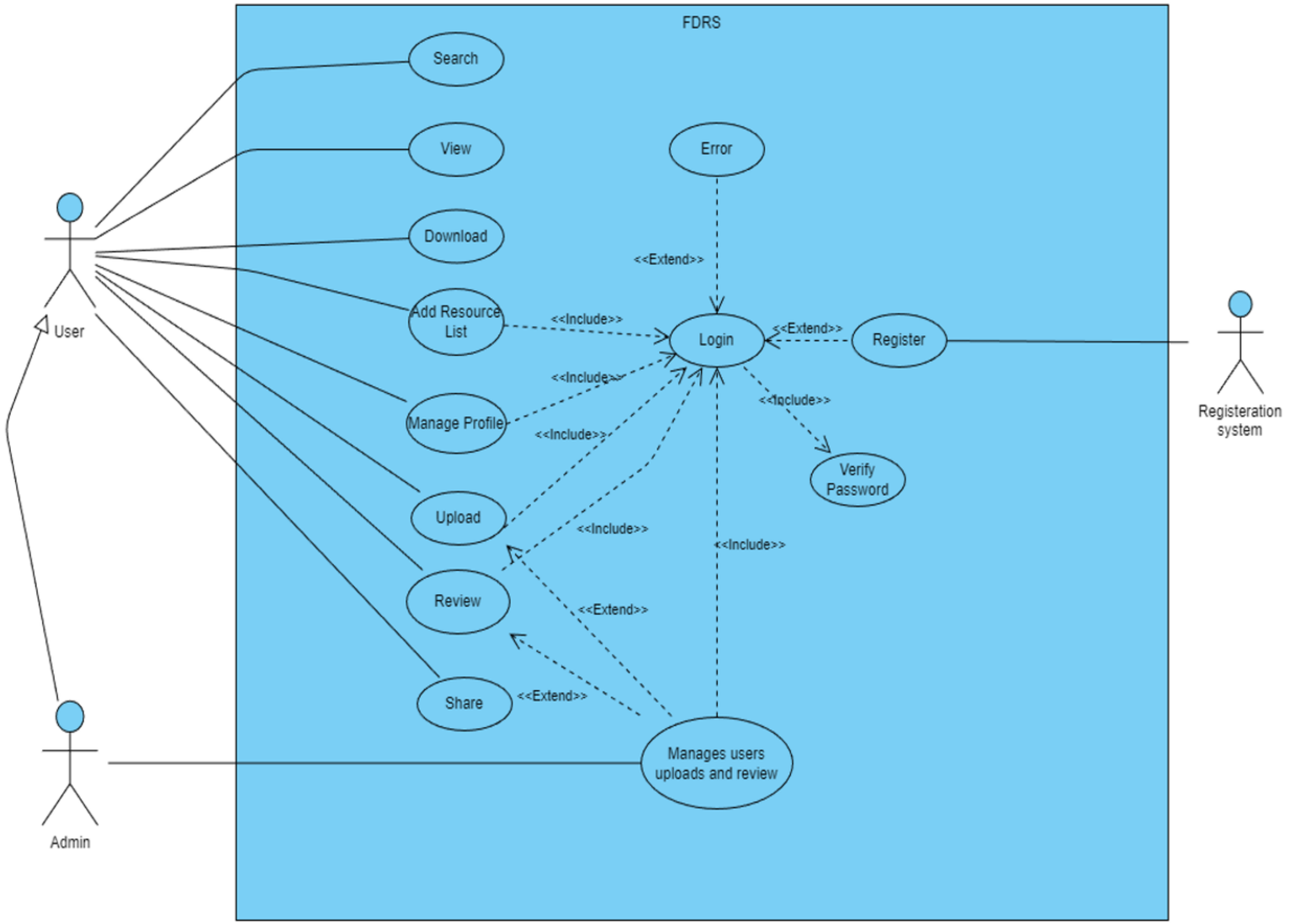
- **PRESENTATION LAYER -> FRONT END**
- **APPLICATION LAYER -> IS OUR LOGIC SERVER**
- **DATA LAYER -> DATABASE**

- **WHY DID WE USE A 3-TIER ARCHITECTURE ?**

1. **SECURITY**
2. **SCALABILITY**
3. **MODIFICATION**



4.2 USE CASE DIAGRAM



USE CASES DESCRIPTION/FLOW OF EVENTS

Use Case name:	Login
Use Case ID:	1
Description:	This use case describes how the actor logs into the System.
Primary Actor:	User/admin.
Secondary Actor:	Registration system.
Pre-condition:	The user must register (use case must be performed first).
Main flow of events:	User/admin: 1- The system requests that the actor enter his/her E-mail and password. 2- The actor enters his/her E-mail and password and presses 'login' option.
Alternative Flow of events:	• The system displays an error message that the entered E-mail and/or password is invalid. • The system requests that the actor re-enters his/her E-mail and password.
Post-condition:	The user that logins in will be able to do his features (Search, view, download, review, upload, track List, Share). The admin That login in will have the Extra feature of managing the users.

Use Case name:	Register(Create new account)
Use Case ID:	2
Description:	This use case describes how an actor creates a new user account.
Primary Actor:	User.
Secondary Actor:	Registration system.
Pre-condition:	None.
Main flow of events:	1- The actor clicks on (Register) option from the home page. 2- The system prompts the actor to enter his/her full name, E-mail and password. 3- The system validates the entered E-mail and password via the registration system and then redirects the actor to the
Alternative Flow of events:	A1: • The system displays an error message that the E-mail and/or password is invalid. • The system requests that the actor re-enters his/her E-mail and password.
Post-condition:	Added the user to the database via the registration system actor.