



Software Engineering-1

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Learning Management System

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SDD for Learning management system

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Team

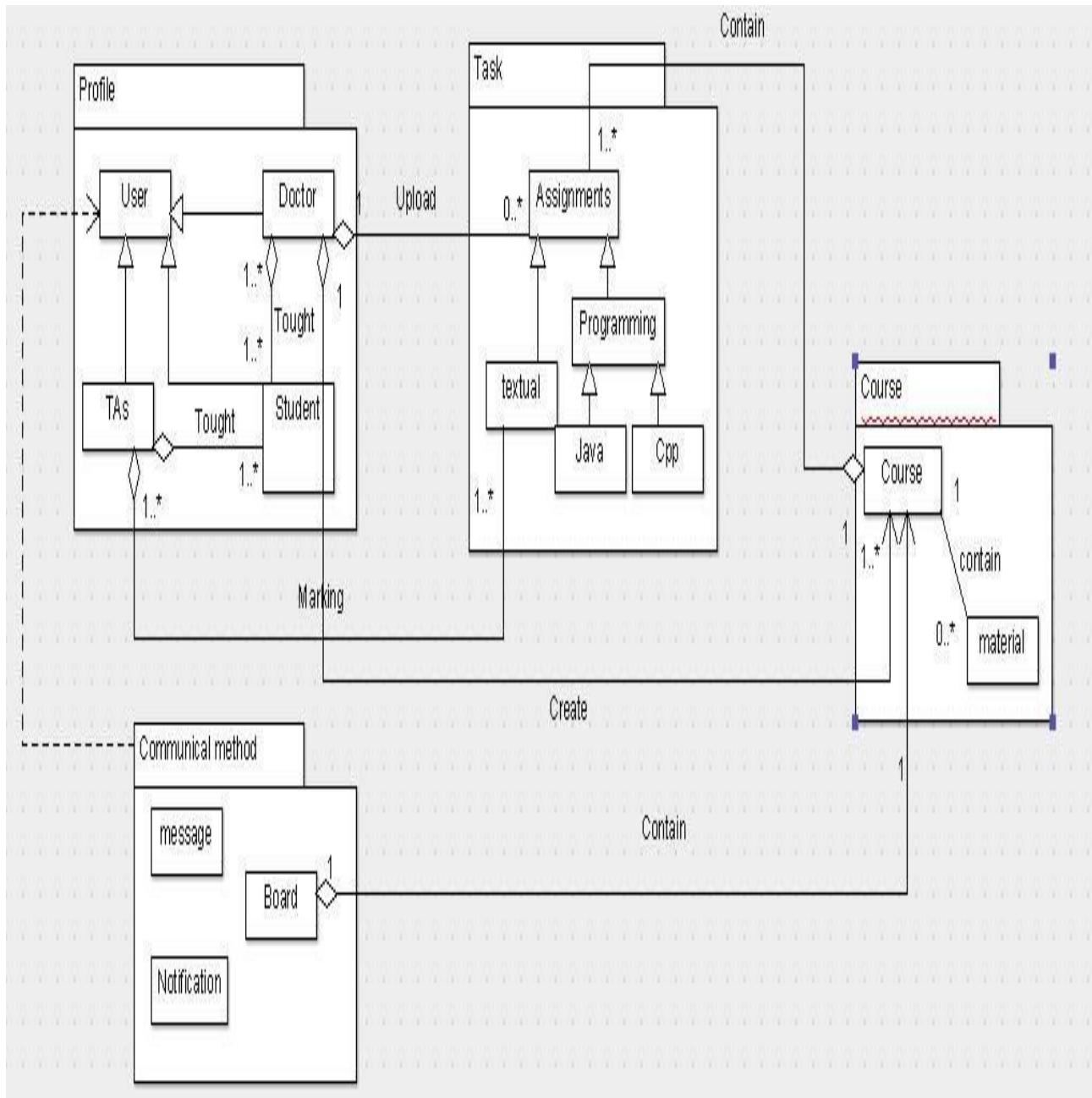
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Document Purpose and Audience

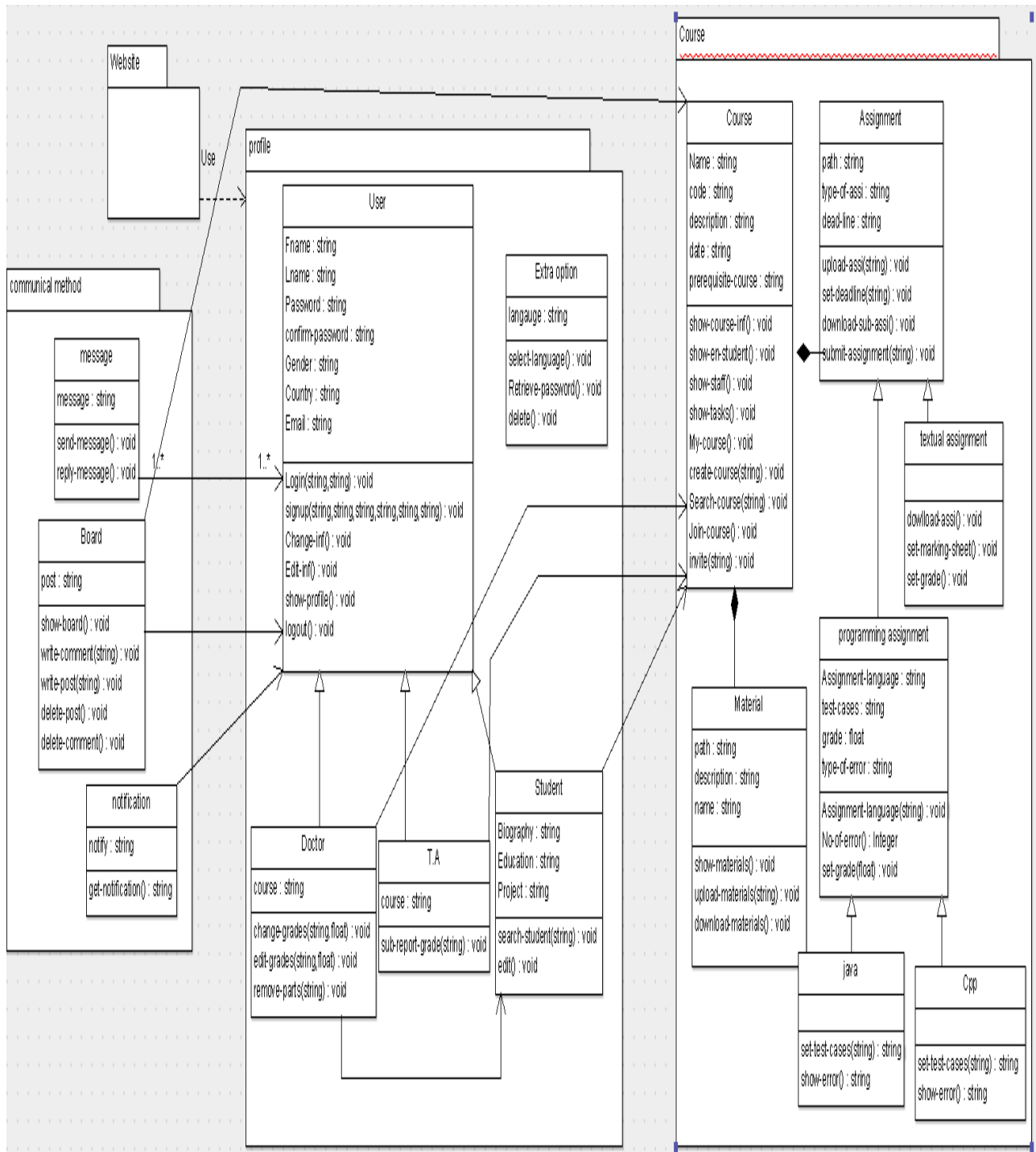
- This document clarify some of design diagrams such as (system decomposition , class diagram , sequence diagram , and ERD)
- It is intended for all TAs specially “Mostafa Saad” and Dr.Mohammed El-Ramly

System Models

System Decomposition

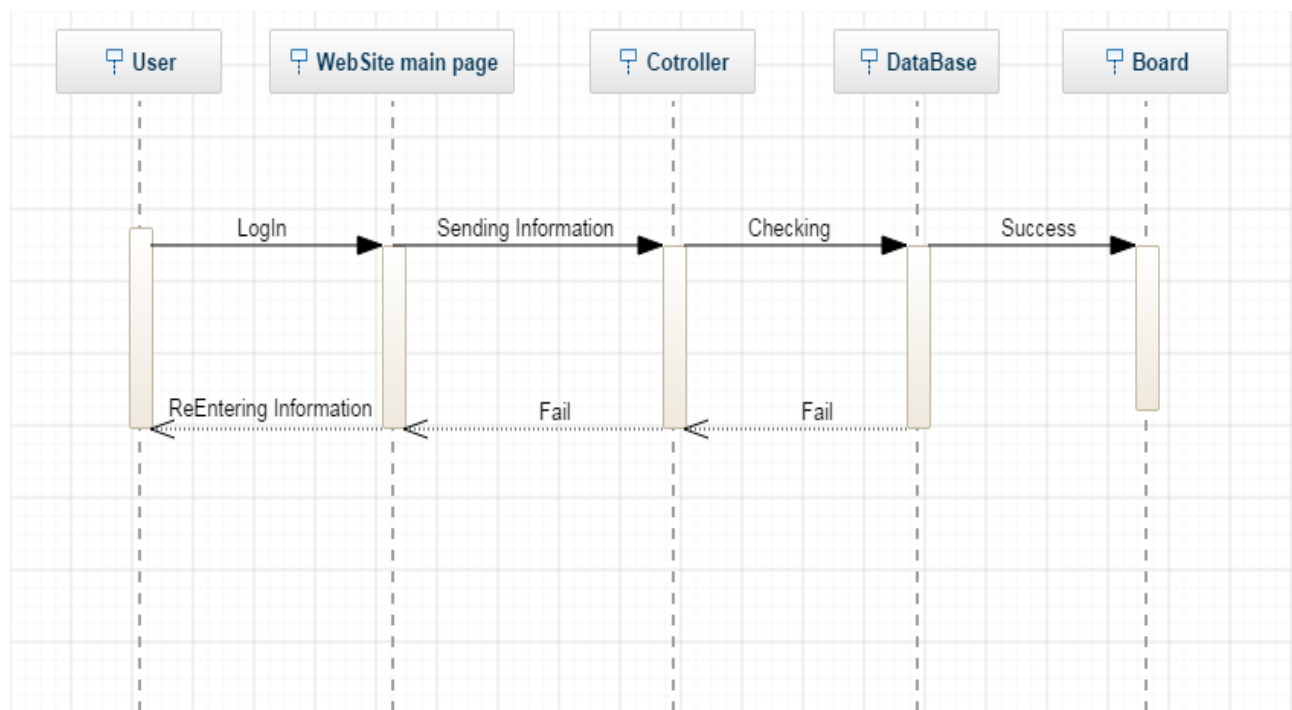
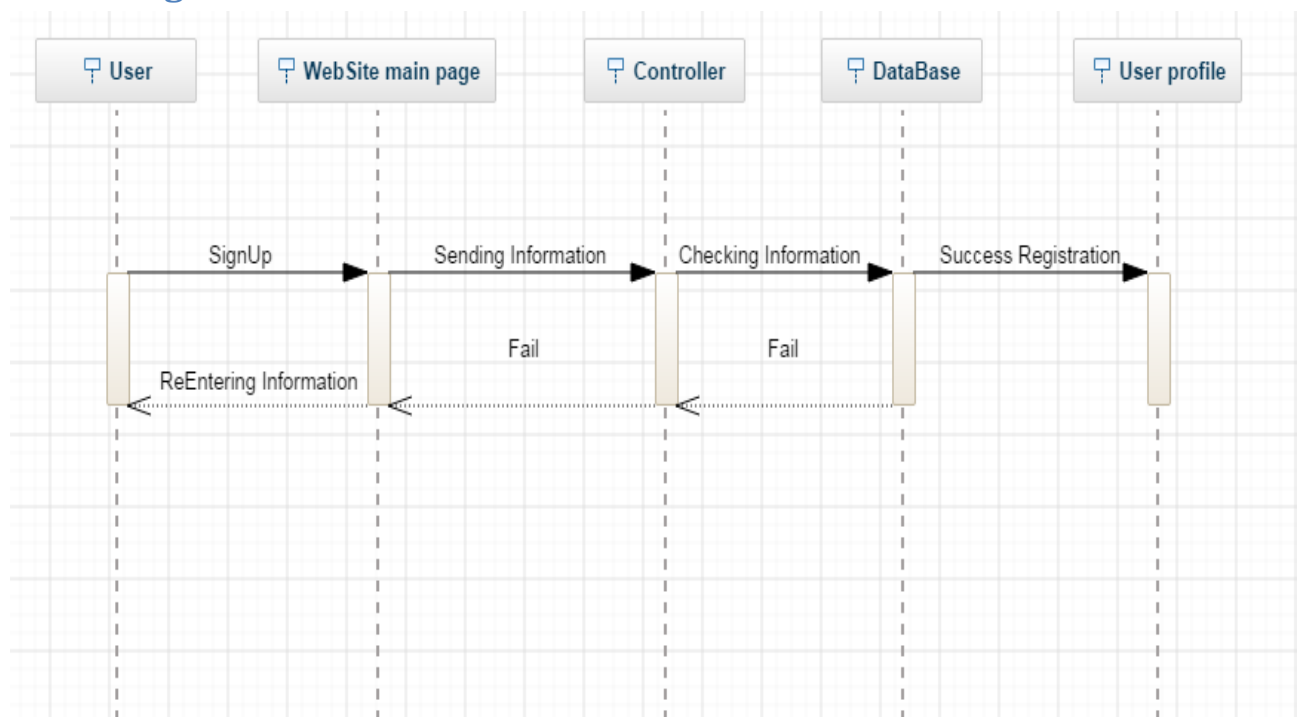


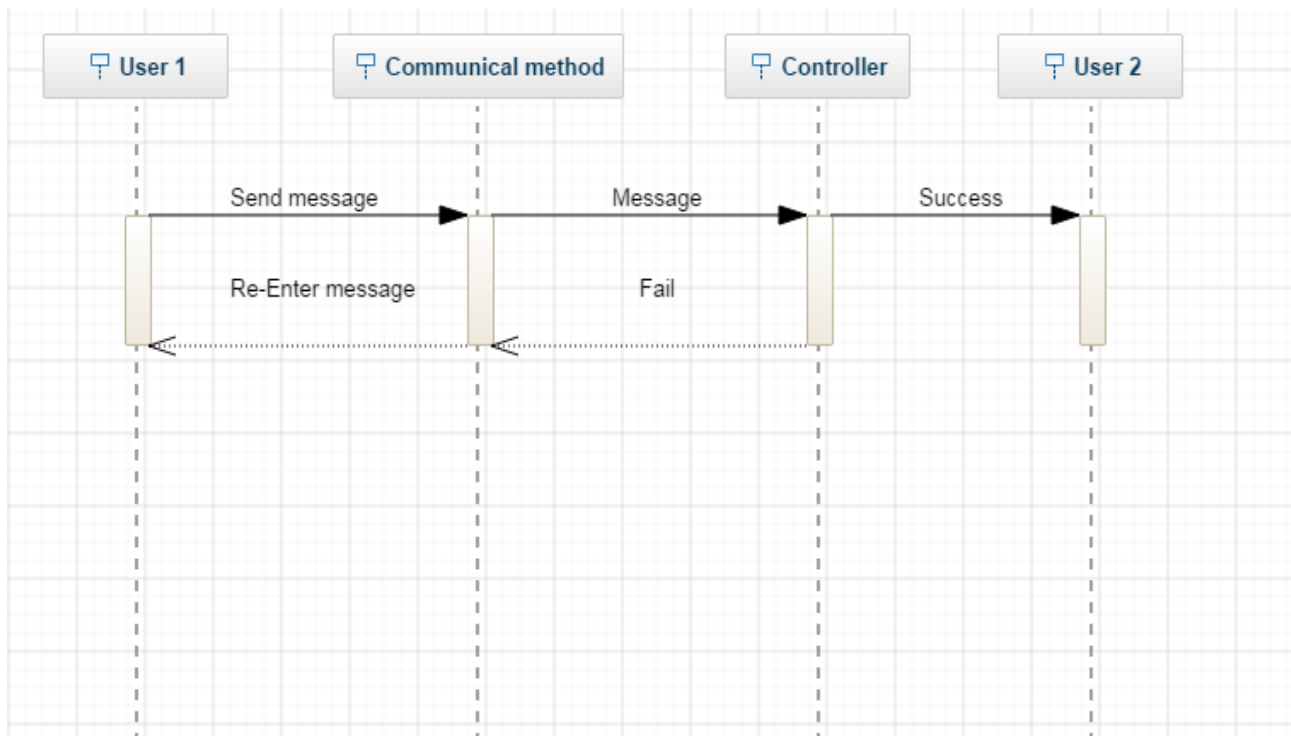
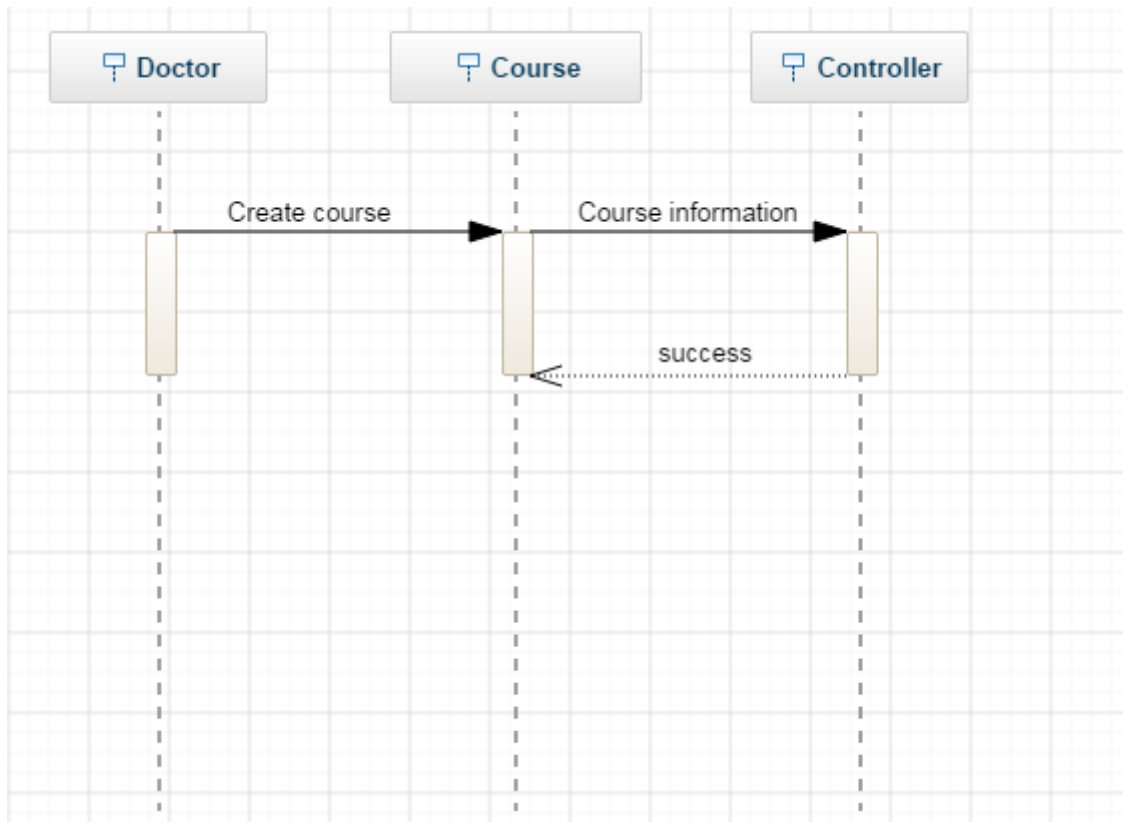
Class diagrams

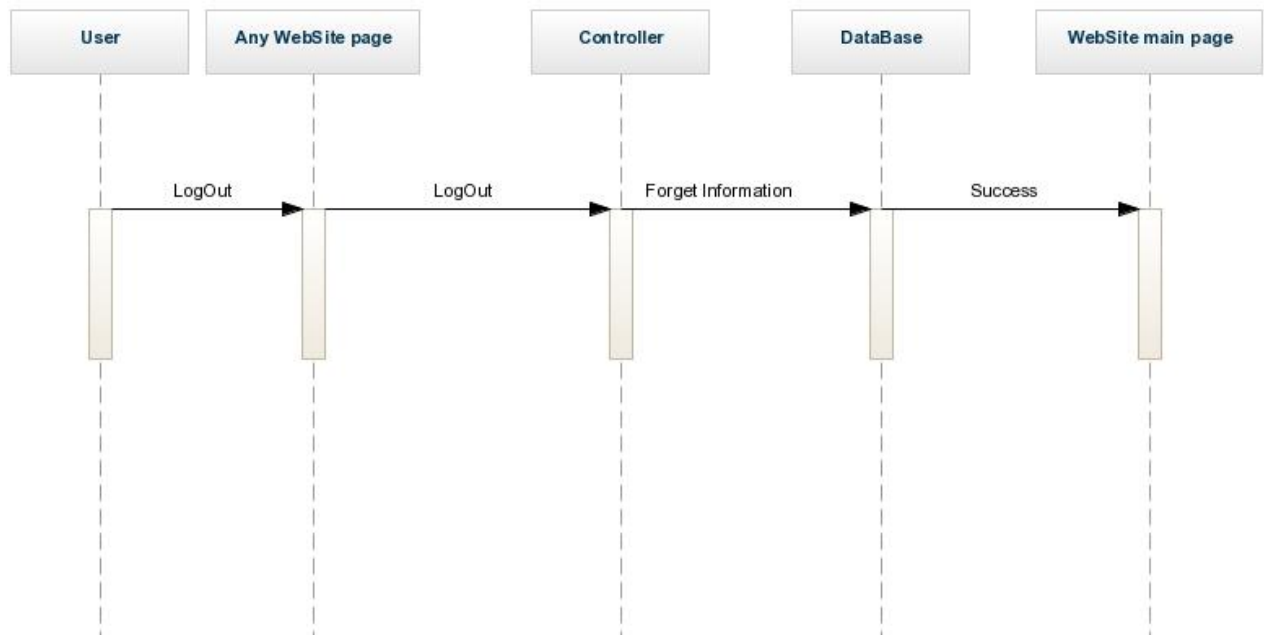
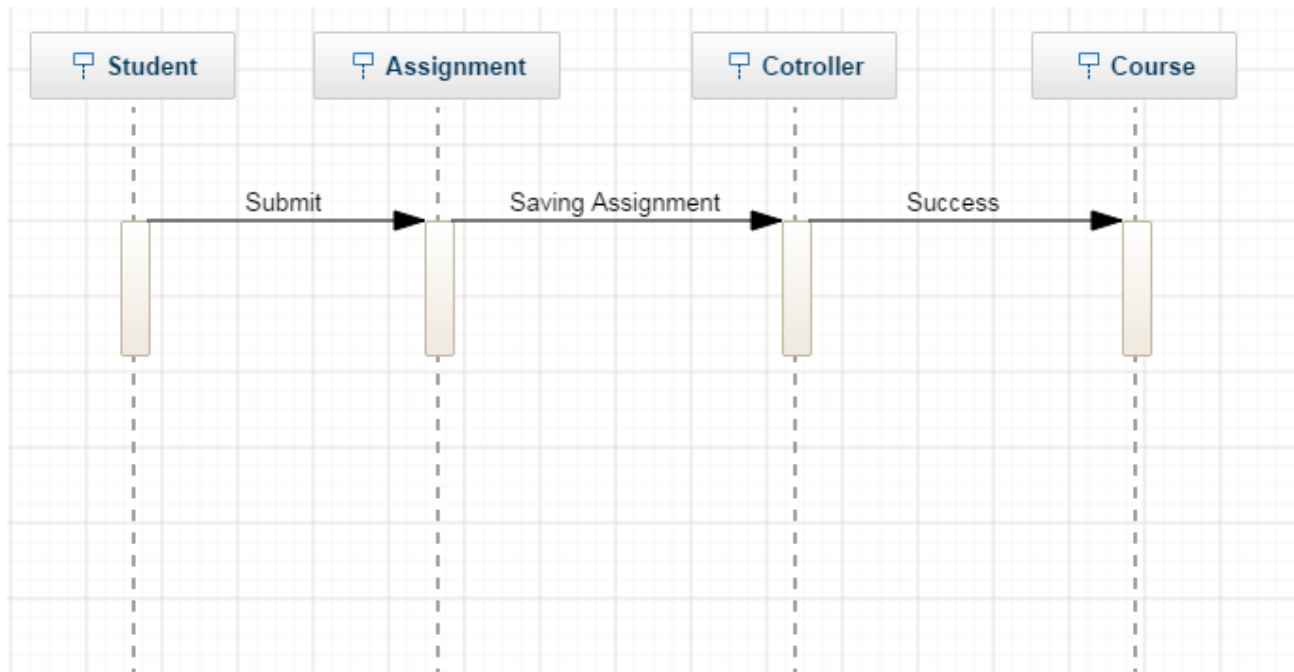


Class ID	Class Name	Subsystem ID	Description
1	User		It contain user information and save them to Database
2	Doctor		It contain doctor information ,save them in database and any edit to grade sheet
3	T.A		It contain T.A information and any set grade sheet
4	Student		It contain student information , save them in database and edit in his information
5	course		It has all course information and allow to create course or join course or search course
6	Assignment		It arrange course assignments and it's deadline
7	Textual assignment		It's for textual assignment only which should be marked by T.A
8	Programming assignment		It's for programming only which be marked by online judgment
9	java		It's have all syntax of java and test cases for submitted assignment
10	Cpp		It's have all syntax of cpp and test cases for submitted assignment
11	Material		It have all course materials and save them to data base
12	Extra option		Have language of site ,retrieve password and delete information
13	message		Allow users to communicate between them
14	Board		Allow users to post and comment to discuss about course
15	Notification		Inform users any change in course

Sequence diagrams







Class - Sequence Usage

Class Name	Sequence Diagrams	Overall used methods
User	1,2,3,4	Save information , success
User	1,2,3,4	Login , check , success
Course		Create course , course information , success
message		Send message ,success
Assignment		Submit assignment ,save assignment
User		Logout , forget information

Physical Entity-Relationship Diagram



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Last Name

Email

Username

Password

Confirm Password

Submit

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LogOut

IS-22

Department

By: X Doctor

Course Details

Course Code

Course Title

Description

Info

Board

Task

Resources

