

Online Academic Registration

CS4089 Project

Software Design Document (SDD)

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1 Introduction

This document is the description of how the software should be built, to meet the SRS. The document includes various use cases, use diagrams which depicts the usage of the website.

1.1 Purpose

The purpose of the document is to describe the design of the software.

1.2 Scope

This document focuses on the core functionality of the software and how it should be designed. The document will be revisioned by the team members after the first implementation.

2 Use cases

2.1 Actors

2.1.1 Student

The student is the user who wishes to register for the registration.

2.1.2 Faculty Advisor

This user has a role in approving the student.

2.1.3 SAC members

This group of users verify documents of a particular student and approve him/her for registration.

2.1.4 Hostel staff

Employees of hostel office, who update dues of students.

2.1.5 Library staff

Library staff who update dues of students.

2.1.6 Registration Desk

Academic staff who oversee the tasks that are to be performed earlier, and finalize the student registration.

2.2 List of use cases

1. Student Hostel staff interaction
2. Student Library staff interaction
3. Student Faculty advisor interaction
4. Student SAC members interaction
5. Student Registration Desk interaction
6. Overall system interface

2.3 Use case diagrams

2.3.1 Student Hostel staff interaction

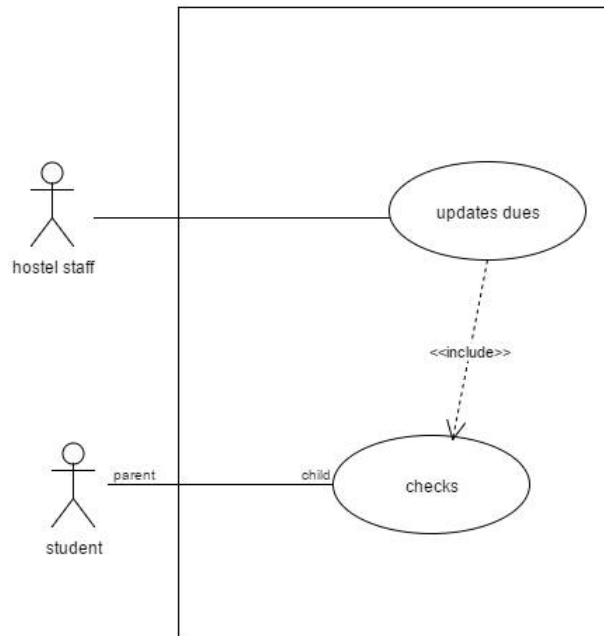


Figure 1 : Use case diagram for hostel staff interface

2.3.2 Student Library staff interaction

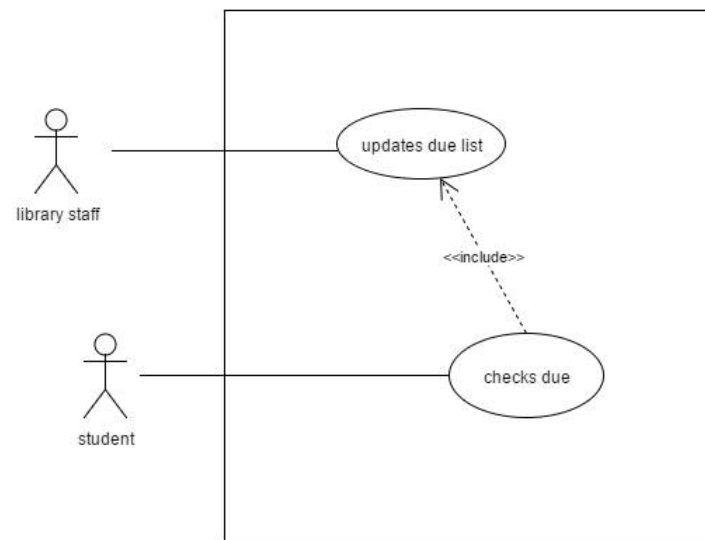


Figure 2 : Use case diagram for library staff interface

2.3.3 Student FA interaction

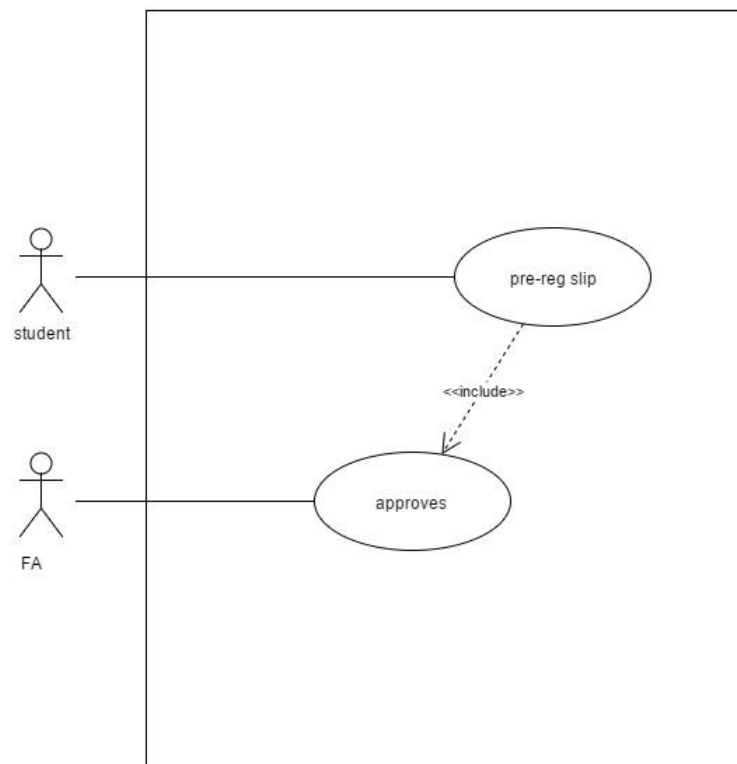


Figure 3 : Use case diagram for FA interface

2.3.4 Student SAC interaction

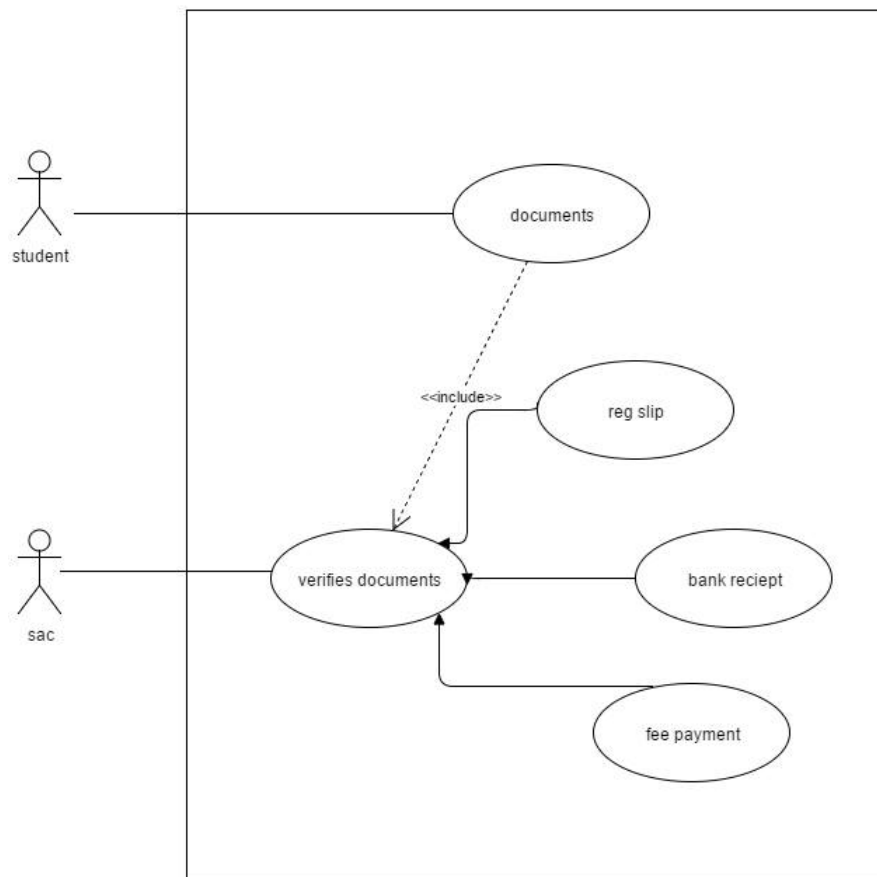


Figure 4 : Use case diagram for SAC interface

2.3.5 Student Registration Desk interaction

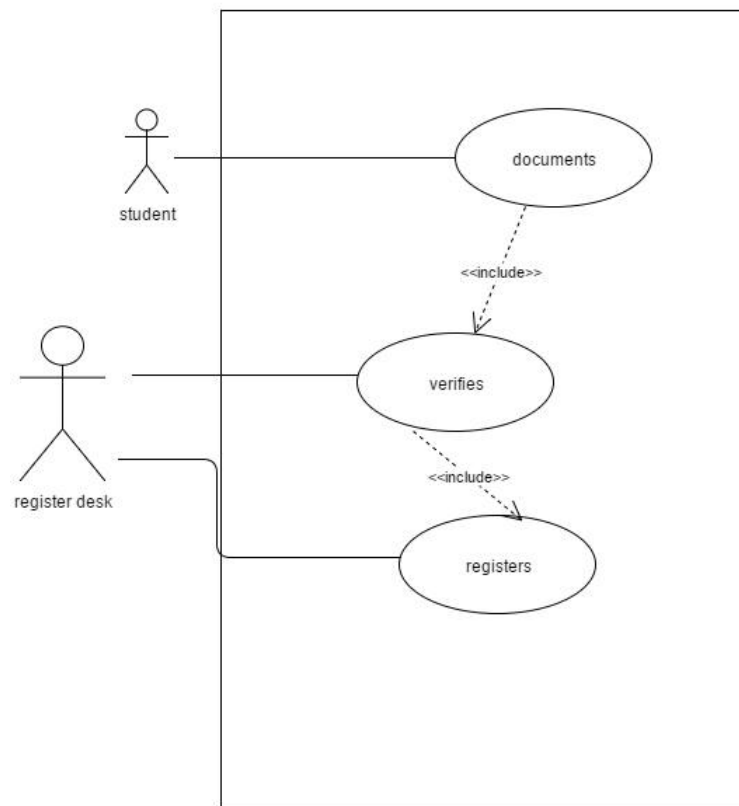


Figure 5 : Use case diagram for Registration desk interface

2.3.6 Overall system interface

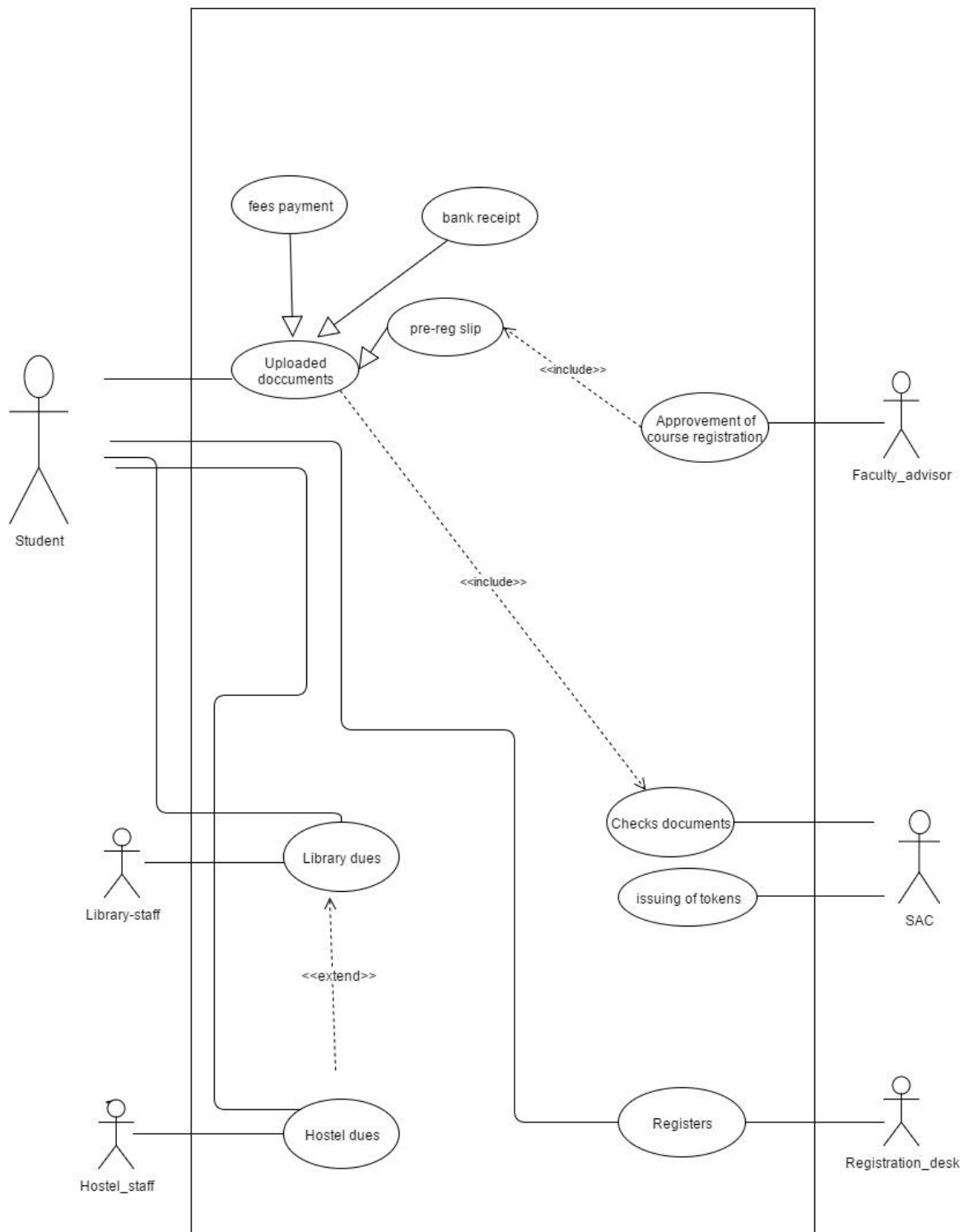


Figure 6 : Use case diagram for overall system interface

3 Design Overview

The design over has been discussed in detail w.r.t the specifications that should meet with SRS in the final report.

4 Non-functional requirements

4.1 Performance requirements

- 64-bit Processor
- Min. of 2GB RAM
- 500 GB HDD
- Pentium IV or greater
- Any 64-bit OS
- Works with most of the latest browsers & IE9 or above.
- Constant and fast internet access.

4.2 Design constraints

There are no specific design constraints. The software design is open for review and is not licenced.