



SOFTWARE REQUIREMENT SPECIFICATION
FOR

GRAB CIKGU SYSTEM

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1 INTRODUCTION

1.0 Document Purpose

The purpose of the SRS documentation is to present the detailed description of “GrabCikgu” system. It explains the purpose and features, interfaces of the system, what the system is capable to do, the constraints under which it must operate and how the system reacts from parent/student to management.

1.1 Product Perspective and Objectives

GrabCikgu is a web-based system for tuition center to provide a better method for student to search suitable tutor or course and to keep track of tutor’s credit hour. It aims to simplify and centralise the data input, communications, searching and reporting activities involved in a system.

1.2 Intended Audience and Document Overview

The SRS documentation has developed to describe the requirement specification of the GrabCikgu. The audiences are developers, project manager, clients and managers. Managers can view this documentation as a reference to know what the system do and how it works. It is also a guideline for the team members to make changes in the future. On the product functionality sections, it will give an overview of the functionality of the system.

2 OVERALL DESCRIPTION

2.0 Product Perspectives

GrabCikgu system targets to assist student to find suitable tutor or course, to give tutor the opportunity to broaden their reach for parents/students and to help tuition center to manage their clients.

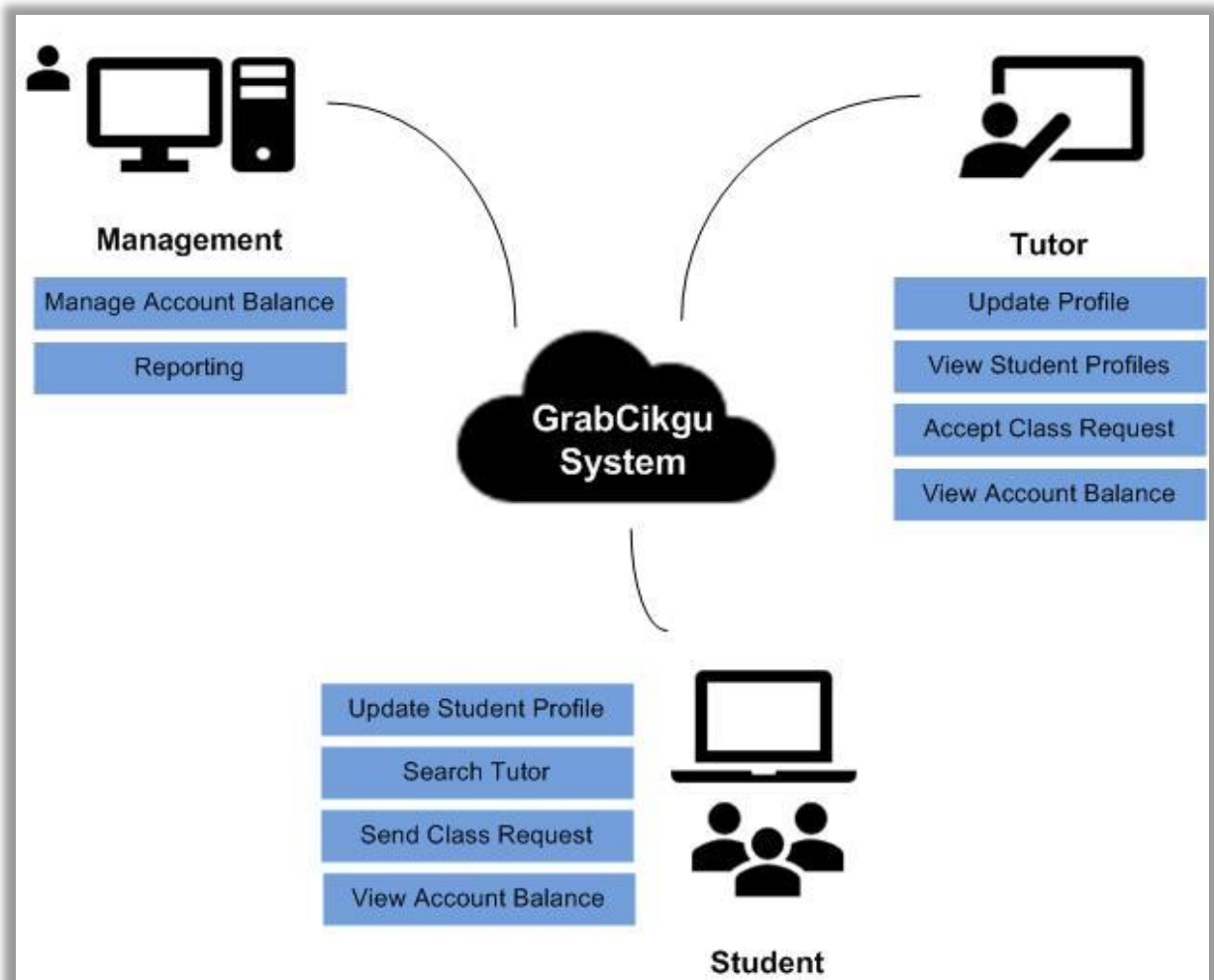


Figure 1: Illustrates major components and external entities of the system.

There are three actors of the system; management, student, and tutor. Management is the tuition center team and the admin of the system. Student is the registered client (parent or student) who wants to take tutorial/tuition for themselves or for their children. While tutor is the registered clients who gives tutorial and get paid for teaching (completed tutorial).

2.1 Product Functionality

GrabCikgu is a web-based system to help management of tuition center and tutor to organize their work more efficiently. The system contains modules of profile module, payment module, search module, tutorial request module, and reporting.

Tutor and student are required to update their profiles after registration. Management team will update tutor and student account balance. Student can search for a tutor by address, subject or rate/hour and the system will display all the search results that match to the search requirements. Student can view tutor profile and start a conversation with the selected tutor using chat application provided in the system.

After reaching an agreement for both parties regarding place and available time, student will send a tutorial request to the tutor. Tutor will get notification for new request and tutor can accept the request. System will save the request as an upcoming tutorial and tutor is required to close tutorial after completing the tutorial session with the student for reporting.

Management team will be able to track credit hour of tutorial and tutors' performances. Management team will update tutor and student account balance after completed tutorial. Tutor and student are able to view classes histories. Management team can generate report to manage their clients (tutor and student) by utilizing all data provided by tutor and student.

2.2 Actor and characteristics

Actor	Student	Tutor	Management
Characteristics	<ul style="list-style-type: none">• Parent or student who is interested to pay for tuition class• Required to update student profile• Able to search for tutors and view list of tutors• Has access to communicate with tutor: chat application• Has access to send request to tutor or to cancel the request• Has access to view account balance• Can view classes history	<ul style="list-style-type: none">• A registered tutor of the tuition center• Required to update profile• Has access to communicate with parent/student: chat application• Has access to accept or reject request from parent/student• Has access to view account balance• Can view classes history	<ul style="list-style-type: none">• A manager of the tuition center• Has access to view lists of tutors and students• Has access to update tutor and parent/student account balance• Has access to generate report
Frequency of Use	High	High	High

Product Functions Used	<ul style="list-style-type: none"> • Registration • Update profile • Search tutor • View list of tutors • Join chat with tutor • Request for class • View classes history 	<ul style="list-style-type: none"> • Registration • Update profile • Join chat with parent/student • Accept class request • View account balance • View classes history 	<ul style="list-style-type: none"> • View list of tutors • View list of students • Update tutor account balance • Update parent/student account balance • Reporting
Security	Access using parent/student username and password	Access using tutor username and password	Access using manager username and password

2.3 Phases of Software Development

2.3.1 Phase One (I)

- Profile Module

Develop profile module for all actors; management, tutor and student. Management as admin will have username and password only. Tutor will have a form of personal details, education details and crucial details such as address, subject, and rate/hour. Student will have a profile of personal details and education details.

- Search Module

Develop form with search functionalities using the crucial terms (address, subject and rate/hour). Student can search for tutors and system will display search results (list of tutors) that match to the search terms.

- Chat Application

Develop a real-time chat for tutor and student to communicate with each other before set a tutorial.

- Tutorial Module

Develop request and accept functions. Student should be able to send tutorial request to tutor and tutor will accept the request. System will set the accepted request as upcoming tutorial. Tutor should be able to close tutorial after completing the tutorial by clicking 'Done Tutorial' button. System will save the credit hours of the tutors and tutorial hours of the students.

- Report Module

Develop a function to able management to generate report. System will create report to track tutor's credit hours.

2.3.2 Phase Two (II)

- Payment Module

Develop track and manage payment. Management will update student account balance after cleared payment and management will update tutor account balance after completed each tutorial. Student and tutor can view their account balance.

- Report Module

Generate report to track tutor's performance and rating.

2.3.3 Phase Three (III)

- Mobile Application Development

Implement GrabCikgu system in mobile application. Develop payment in-app to help tutor to get paid after completing a tutorial. Develop geolocation and map to assist student to search nearby tutor.

3 SYSTEM FEATURES

3.0 Use Case Identification

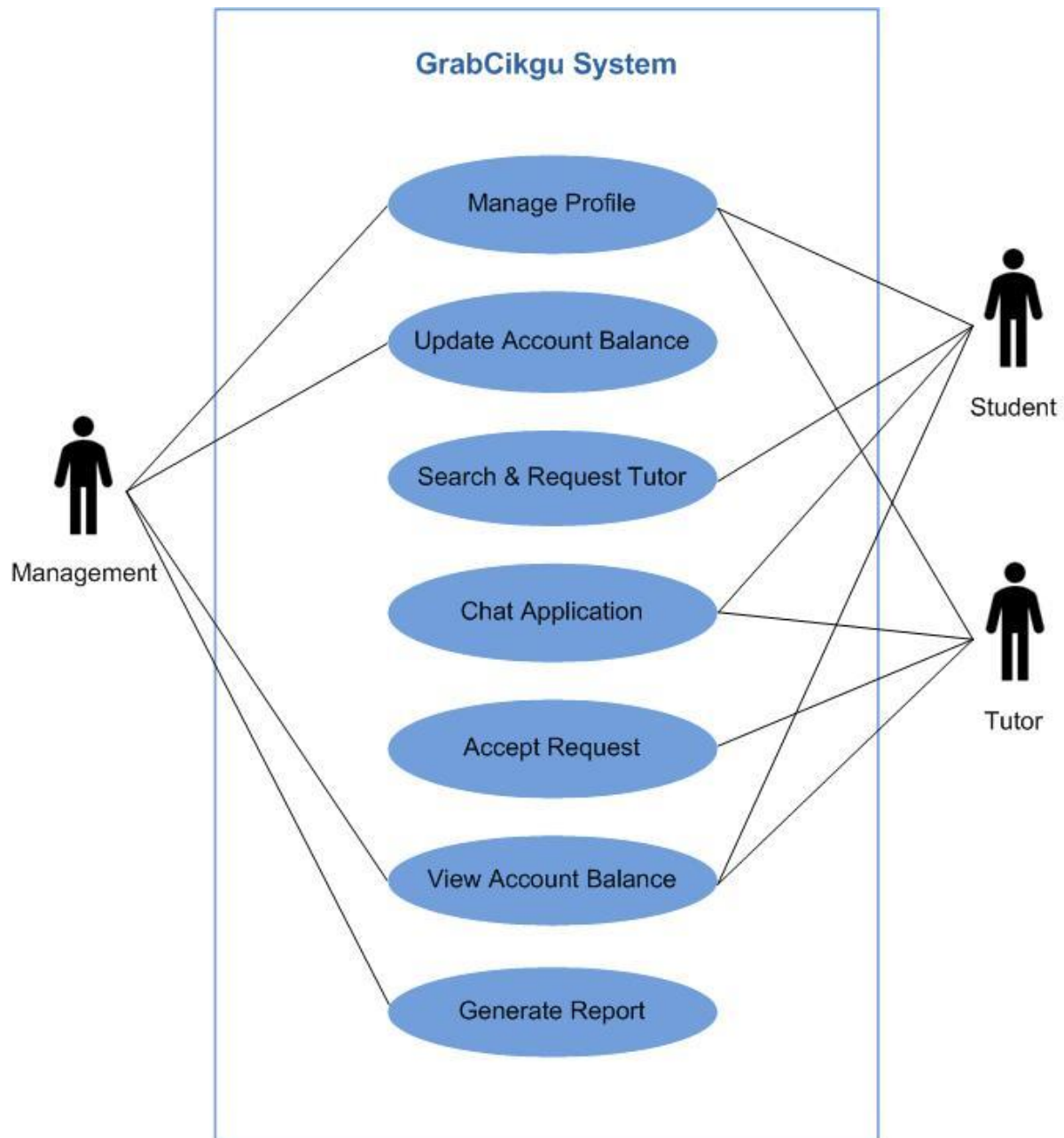


Figure 2: Use case of the system

Use case in Figure 2 shows the interactions between activities or actions in the system and the actors.