

Software Design Specification (Allaamus)



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1.0 INTRODUCTION

1.1 Purpose

This document will define the design of “Allaamus” which will be a web portal application. This document contains specific information about the expected/planned input, output, classes, and functions.

1.2 Scope

This Design Specification document is to be used by Software Engineering as a definition of the design that shall be used to implement the online web portal application “Allaamus”.

1.3 Objective

“Allaamus” which will be a web portal application. It will be a portal for experts and ones who have questions. Firstly, experts and ones who have questions are register to portal. The ones will select experts which about their quetsion . They interview about their questions as text chat, voice or video call. And customers pay for appointment .

2. SYSTEM OVERVIEW

2.1 Product Perspective

(Already explained in 1.3)

2.1.1 Design Method

The design of this wep application depends on an Object-Oriented Programming approach.

2.1.2 User Interfaces

There will be (mainly) three different interfaces. First one is search engine for customers. Customers search a question , and system return the answer. Second interface is ask question page which customer select experts and ask a question and the expert answer to customer. Third interface is appointment page which customer selcet a

experts and make an appointment then they interview at appointment date.

2.1.3 Hardware Interfaces

The web application will run on computer , mobile phone , tablet.

2.1.4 Software Interfaces

The web application will run only web browser.

2.2 User Characteristics

There are two types of user which are inquirer and expert. Inquirers need to know basic knowledge of searching and using internet. All users need to obey moral rules when appointment is in progress. Experts must have enough knowledge and experiences and must be polite to inquirers.

2.3 Constraints

The portal run only web browser. Expert payments will be paid on the date specified after the request.

3.0 DESIGN CONSIDERATIONS

3.1 Operating Environment

The web application is intended to be executed on all Operating System.

3.2 Fault Tolerant Design

Exceptions will be handled by using general exception handlers of Python and Javascript.

3.3 Design Conventions

General Object-Oriented Programming methodology will be used for this application. For developing, “Waterfall Software Development” model is used.

3.4 User Interface

3.5.1 Expected Input

(Search Engine)

- Choose a department
- Choose a branch
- input query

(Ask Question)

- Choose a department
- Choose a branch
- Choose an expert
- input string

(Appointment)

- Choose a department
- Choose a branch
- Choose a experts
- Choose a date

3.5.2 Output

(Search Engine)

- System return a answer for question

(Ask Question)

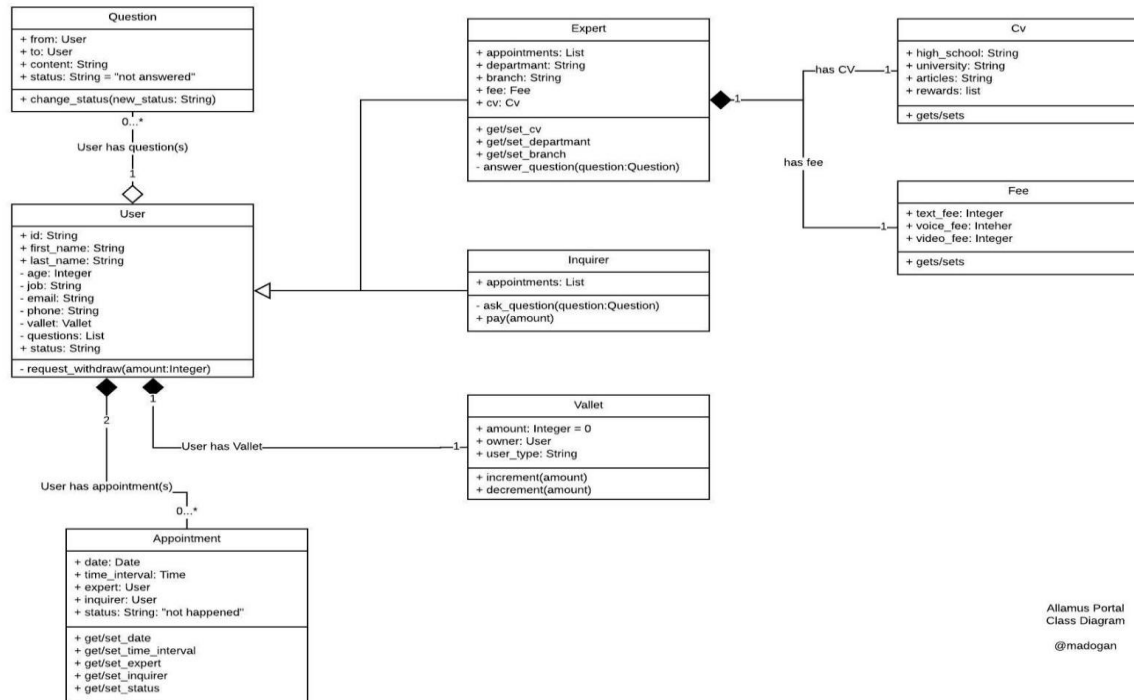
- Experts answer to question

(Appointment)

- They interview at appointment date as live or voice or text chat.

4.0 SYSTEM ARCHITECTURE

4.1 View of Classes (in basic form)



Allamus Portal
Class Diagram
@madogan

5.0 FIGURES

5.2 Use Case Diagram

