

High Level Design(HLD)

University Admission System  
(Web Application)

# Document version

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# Abstract

- Now a days there is whole world is facing this pandemic .everything is online like- shopping,business,teaching,exam,meetings ,etc. Due to that we are doing a online addmission ,we are creating a online system so student can easily get a addmission in unversity without facing any issue.

# 1.-introduction

## 1.1-why this HLD documentation?

The purpose of HLD document is to add necessary details to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level

The HLD Will: > present all of the design aspects and define them in detail

- >Describe the user interface being implemented

- >Describe the performance requirements

- >list and Describe the non functional attributes like:

# Scope:-

The HLD documentation presents the structure of the system, such as the database, architecture, application architecture, application flow and technology architecture. The HLD uses non-technical to mildly-technical terms which should be understandable to the administrators of the system.

# 2.General description

## 2.1 product Perspective

The UAS(w) it is a web application which is used to get admission in university

## 2.2 Problem statement

To get or applied to university it will do the following cases.

- >simple registration

- >application submission

- >and based on faculty review decide that student will get admission or not

## 2.3 PROPOSED SOLUTION

The solution is UAS(university admission system)-web application it can be done the above cases.it will provide the API to user first student get registration process,when student fill the form the this form is forwarded to faculty and faculty will approve/disapprove the form and student get interview date.

## 2.4 FURTHER IMPROVEMENTS



## 2.5 Technical Requirements

This solution are not that much requirement -

- >PC/LAPTOP -greater than i3 processer
- >programing knowadge
- >strong network

## 2.6 Data Requirements

No any external data requirement because the data is filled by user

In this some images are used to design the GUI

- 1.flask must be installed to run the program/project
2. mail support to flask-to send the notification related to application status

## 2.7 Tools used

Python programming language and flask to create API .HTML ,CSS are used to create UI

>vscode-IDE

>postman -to test the code

>Flask -to create API

>HTML,CSS -to create frontview

>AWS to deploy solution

>cassandra cloud used to store the data

>github to maintain the code

## 2.8 Constraints

The university admission system is a web application and user friendly and easy to use and user should not be required to know the workings

## 2.9 Assumptions

The main objective is easy to get admission in university and online. It is a simple development project

## 3 Design Details

### 3.1 Process Flow

1. Faculty registration.
2. Student Registration.
3. Application submission.
4. Management of course. Eg. Adding, modifying, removing, scheduling various courses.
5. Check application status regarding approval/disapproval if the approved student can see their scheduled interview appointment. Based on interview performance faculty will approve/disapprove of an application.
6. faculty can give the review to particular course
7. Students must receive a notification either on phone/ email from the University Admission System application regarding the progress of their applied courses.

## 3.2 Event log

The system should log every event so that the user will know process is running internally

- 1.the system identifies at what step logging required
- 2.system should able to log each and every system flow
- 3.logging just because we can easily debug issues so logging is mandatory to do

## 3.3 Error Handling

The error will be handle using try and except concept so that no harm to our syatem or for process

## 4 Performance

The UAS is web application used to get admission in university. operation on database is important to increase the performance

### 4.1 Reusability

The code is written in way so we can reuse it without any error in program

## 6 Conclusion

The designed UAS (university admission system) is used to get admission in university by using following process

1. registration-student, faculty
2. application submission
3. review by faculty
4. get appointment to interview