



Admission Help Portal



Team 12



Problem Statement

The problem of :

Lack of a single source for all kinds of information related to admissions to premier professional institutions. Resources useful to an aspirant are distributed all over the internet. There is no one solution(product) that can answer all queries related to this.

Affects :

Students, parents, counsellors, working professionals

The impact of which is:

1. Aspirants struggling to find correct and complete information.
2. Dissemination incorrect information leads to wrong choices.
3. Missed opportunities
4. Frauds

A successful solution would be:

A product that helps aspirants find authentic information regarding admissions to premier professional institutions.. The product will curate information like announcements, tips, links to study material and news stories about admissions and make it easily accessible to the users.

Needs

1. One needs more than a google search to find all the amazing content on the web that may be helpful in preparation.
2. Browsing through web is time consuming.
3. Brings together important information of all exams and interviews that may be important to you thus saving you the trouble of bookkeeping.
4. Protects aspirants from falling prey to false information.

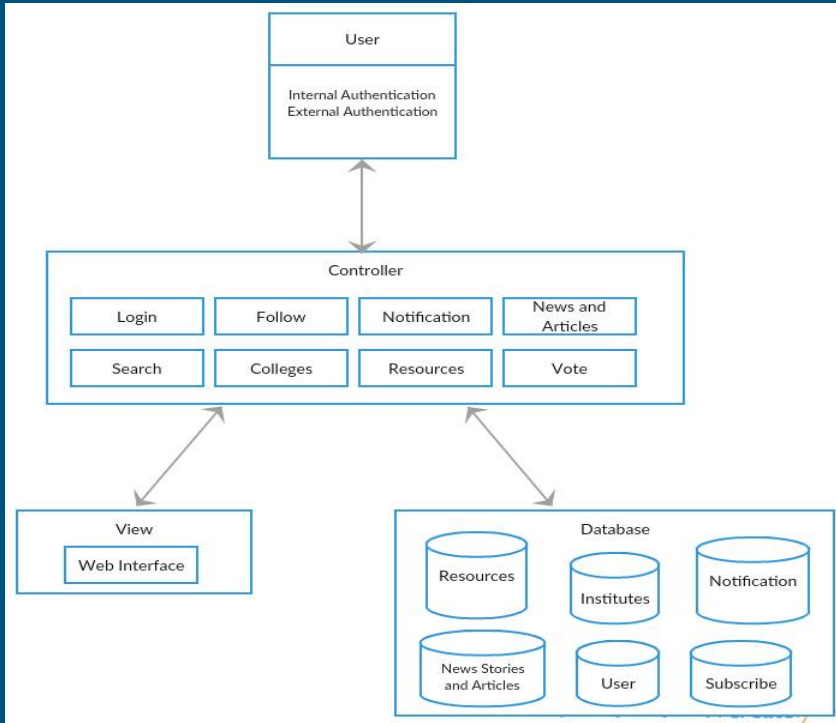
Requirements Gathering

Issues and Challenges

1. Understanding the problem statement.
2. Identifying the stakeholders.
3. Resolving conflicts among different users.
4. The boundary of the system is ill-defined.
5. Omitting of obvious information.
6. Requirement may be perceived differently by various stakeholders

Design and Architecture

Issues and Challenges



1. Mapping the requirements into features
2. Understanding the types of users and determining the information flow.
3. Ensuring that each user has access to view and modify only content that is relevant to him .
4. Making sure that the system is simple enough for the user to understand.
5. Ensuring that most of the requests do not need any join queries on the database thus helping reduce the response time.
6. Adding new features should be easy.

Implementation and Testing

Issues and Challenges

1. Keeping the functions as small as possible.
2. Ensuring foreign key constraints.
3. Reducing the coupling between modules.
4. Making sure every function returns non-null values.
5. Functions ideally accept no arguments and at most two.
6. Understanding the MVC web2py framework.
7. Performed unit testing.

Video

<https://youtu.be/eGmRSf4f9tQ>

Conclusion

1. Well defined phases and guidelines related to good coding practices made it easier to accomplish the task.
2. A heterogenous team ensured that we had adequate conflicts to be able to come up with the right system.
3. Listing the tasks, prioritizing, and completing them before timeline.