Project Name	
Admission Help System	30 January 2017

Revision History

Date	Version	Description	Author
30 January 2017	1.0	Draft 1	Team 12

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1 Introduction

1.1 Purpose

 The purpose of this document is to collect,analyze and define high level needs and features of a product that gathers information regarding admissions to premier professional institutions in fields like Engineering, Architecture, Medicine and Design.

1.2 Definitions , Acronyms, and Abbreviations :

News Stories : Important pieces of information that might help a candidate make an informed choice and also help achieve his goal with regards to admissions.
Experts : People from a particular field who have the required expertise to guide aspirants.
Study Material : Books, links , videos that might help a candidate prepare for his application to the premier institutes.
Entrance exams : Examinations taken by concerned authorities to evaluate a candidate to determine the outcome of his application .
Institutes : Organizations that seek to impart knowledge and required skill to their students.
Field /Area of Interest : Field represents the following areas : Medicine, Engineering, Architecture and Design
Tips : Important articles related to a specific field that might help the aspirants to make a right choice.
Announcements : Important dates of Entrance Exams, Interviews and information regarding Admission Procedure to various Premier Institutes.

1.3 References

[1] IEEE Software Engineering Standards Committee, "IEEE Std. 830-1998, IEEE Recommended Practice for Software Requirements Specifications", October 20, 1998.

2. Positioning

2.1 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.

3. Stakeholder Description

3.1 Stakeholders Summary

Direct：developer ,students, working professionals

Indirect: parents,premier institutes

3.1.1 Direct Stakeholders

Name	Description	Responsibilities
Aspirants(students, working professionals)	They are people who are going to directly interact with the system. They will mainly use the product to get information about getting admission into premier professional institutions in the field of architecture,engineering and design.	They are people who will use the product.

Name	Description	Responsibilities
Developer	They are people responsible for developing the system from scratch and then deploying to used by the users.	End to end deployment of the system

3.1.2 Indirect Stakeholders

Name	Description	Responsibilities
Premier Institutes	These are the institutes that our users are interested in joining. The product will	They ensure that all the relevant information about them is correct, readily

	provide all necessary information regarding admissions in these leading professional institutions	available and unambiguous.

3.2 User Environment

- The users are educated, computer literate, and in most cases own personal computers in their homes.The ability to find all the information on a single platform would greatly help them prepare effectively and at the same time reduce the time and effort.
- The system should be extensible and scalable considering future requirements.
- The system should be reliable enough to support a very large number of users at the same times.
- The task cycle starts as soon as the user enters the website. The amount of time spent in each activity varies according to a particular user.

3.3 Key Stakeholder / User Needs

Need	Priority	Concerns	Current solution	Proposed solution
ND#1 A single source that curates all important dates, announcements regarding admission procedure.	Very high	The information is scattered.	Currently aspirants need to visit websites of premier institutions to get critical information like opening and closing dates of applications,entrance exam dates, interviews.	The system will bring this information together for all important institutions so that users need not visit each of them separately hence saving a lot of time, energy and also reducing chances of making a mistake.
ND#2 Study material	High	There are might be a lot of useful	People mostly depend on	To provide quality study

		content on the web. But their is no systematic way to channel the content to the aspirants who need it.	making web queries and then spending hours finding content that suites them.They may reach some content through networking sites, word of mouth or experts in the field. The solution are not well organized.	material to aspirants at zero cost to them. The system will try to direct users to important articles, books and videos.
ND#3 News Stories	High	News stories about important institutes might not reach aspirants especially people who do not follow news actively.	Friends, news channels, news papers, social networking sites may provide the content but do not ensure its reachability to a particular community	The system will endorse all major news stories running about these institutes. These stories may be critical for a candidate in making the right choice.
ND#4 Counselling	Medium	More can be done to make better decisions.	Often people rely on known contacts and their own understanding to make important decisions.	The system will provide an interface for aspirants to interact with experts directly.
ND#5 List of top institutions in the field	Medium	There is a lot of unreliable information available on the internet	Most of the users rely on information readily available to them	The system will provide rankings from trusted sources.

4. Product Overview

4.1 Product Perspective

The system brings together all information regarding admissions to premier institutions.It interacts with news reporting sites from educational domain and official website of premier institutes to gather the latest information.
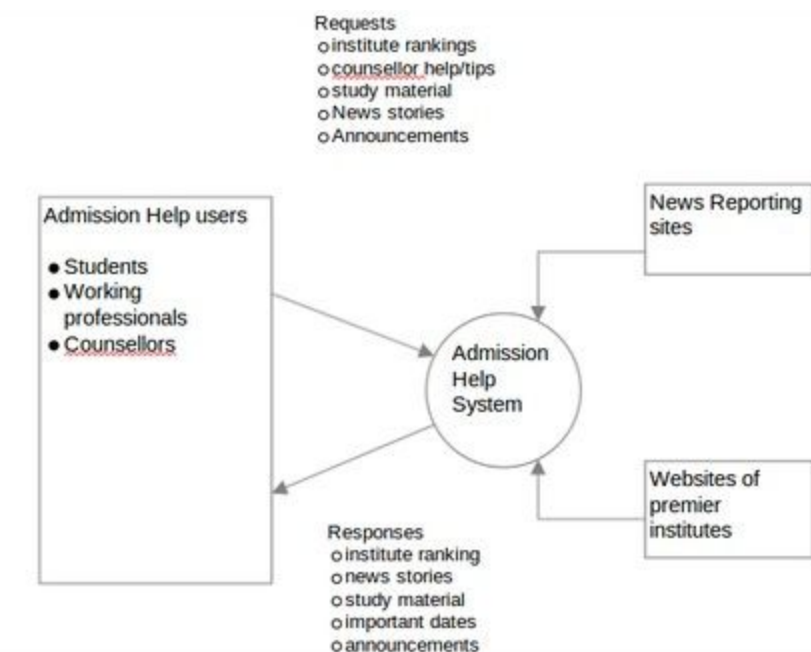
4.2 Assumptions and Dependencies

The following assumptions and dependencies relate to the capabilities of the Admission Help System as outlined in this Vision Document

- The external interfaces of the News reporting sites and Websites of premier institutes are will not be altered.

5. Product Features

Feature ID	Feature Name	Feature Description	Priority	Related Need
FD#1	Log In	Aspirants, experts and administrator need to login for entry to the Admission Help System.	high	
FD#2	View News stories	Make available latest stories running about the premier institutions.	medium	ND#3
FD#3	Announcements	The system will provide important dates, admission procedure etc to the student upon request. The student can query based on institute name.	high	ND#1
FD#4	Study material	Important resources for all major entrance exams will be enlisted. The student can query based on	high	ND#2

		the name of the exam.		
FD#5	View important institutions in the field	The system will provide basic information about all major institutions and also the rankings.	high	ND#5
FD#6	Tips	Make available important articles related to a field.	medium	ND#4
FD#7	Update information	This feature will be available for the admin to add, delete or update any information.	high	ND#1, ND#3
FD#8	Update Resources	This feature will be available to experts to add important resources in the Study material and tips section.	high	ND#2

6. Other Product requirements

6.1 Non-Functional Requirements

- The system will have an availability of 99%.
- The system shall provide access to any information in the database within one minute.

- The system shall interface with existing open source API of news reporting sites and institute websites.
- The system needs to interface with news reporting sites and premier institute websites.
- The login information will be protected for all users.
- The system will not crash on invalid requests.
- The data files will be stored on a nonvolatile storage device such as a hard drive, so that the data files can be retained when the system is shut off.
- If there is a fatal error the system shuts down without crashing the computer it is running on.
- All components of the system will be modular and be as independent as possible.
- The software will be written in a platform independent programming language for portability; there will be no platform specific code.
- Applicable standards
  - Platform compliance standards(Windows, UNIX and so on).
  - Communication standards(TCP/IP, ISDN).

6.2. Constraints

The following constraints apply to the Admission Help system:
- The system will not require any hardware development or procurement.
- The product must be web based.
- The system will be browser and platform independent.
- The information presented by the system is limited to the fields of Engineering, Medicine, Architecture and Design.
- The system will be available by 17th April, 2017.
- The system needs reliable internet connection to be accessible.