

SOLUTION REQUIREMENTS

FUNCTIONAL REQUIREMENTS:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|-------------------------------|--|
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Details | Submit the documents <ul style="list-style-type: none">• GRE or/and TOEFL scoresheet• Curriculum Vitae (CV)• Statement of Purpose (SoP)• Letter of Recommendation |
| FR-4 | User Requirements | <ul style="list-style-type: none">• Upload all the relevant documents in the appropriate location in the website• Based on the uploads, the system would scrape all the necessary information• The list of all possible university for the candidate would be displayed based on the scraped information |

NON-FUNCTIONAL REQUIREMENTS:

Following are the non-functional requirements of the proposed solution.

| FR.NO. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | <ul style="list-style-type: none"> • The system doesn't expect any technical pre-requisite from the user i.e.; even the naïve user can access it • The UI would focus on recognition over recall • User friendly • Reduced focus on Short Term memory load Focus on Internal Locus of Control • The page would not take a lot of time to load the content and display them (< 30 seconds) • The fields in the site would be self-explanatory |
| NFR-2 | Security | <ul style="list-style-type: none"> • Only the authenticated user would be able to utilize the services of the site. • Database should be backed up every hour • Under any error, the system should be able to come back to normal operation in under an hour. |
| NFR-3 | Reliability | <ul style="list-style-type: none"> • The system would always strive for maximum reliability due to the importance of data and damages that could be caused by incomplete and incorrect data • The system will run 7 days a week, 24 hours a day |

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|-------|---------------------|--|
| NFR-4 | Performance | <ul style="list-style-type: none"> • The website can efficiently handle the traffic by service the request as soon as possible • Viewing this webpage using a 56-kbps modem connection would not exceed 30 seconds (quantitatively, the mean time) |
| NFR-5 | Availability | <ul style="list-style-type: none"> • Minimal data redundancy • Less prone to errors • Fast and efficient • The system will run 7 days a week, 24 hours a day |
| NFR-6 | Scalability | <ul style="list-style-type: none"> • Since an academic portal is crucial to the courses that use it, it is crucial that a sizable number of users be able to access the system at the same time. <ul style="list-style-type: none"> • The admission season is probably when the system will be under the most strain. • It must therefore be able to manage numerous concurrent users. |