

Graduate Student Admissions System Requirements Document (RD)

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| Prepared by: | GSAS Team |
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| Project Sponsor: | CC715 Faculty |
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1. Introduction

1.1 Document Purpose

The purpose of this document is to describe the requirements of an application completely, accurately and unambiguously in a technology-independent manner. All attempts have been made in using mostly business terminology and business language while describing the requirements in this document. Very minimal and commonly understood technical terminology is used.

1.2 Intended Audience

The main intended audience for this document is the business owners of the proposed system. This document should be readable by business owners of the proposed system. They must be able to verify that the project requirements have been documented completely, accurately and unambiguously.

Data Architects, Application Architects and Technical Architects would also find the information in this document useful when they need to design a solution that will address these requirements.

Since the requirements are documented here in a technology-independent manner, the customers of the system should be able to comprehend the requirements fairly easily from this document.

1.3 Client Discussions

These requirements are a result of correspondence with reviewers as Dr Noha seddik.

1.4 Purpose of the Requirements

This section describes the purpose of the requirements.

- ☐ Requirements for major enhancements to an existing application.
- ☒ Requirements for new application development.
- ☐ Requirements for replacement application development.
- ☐ Requirements for a request for proposals (RFP).

1.5 Goals/Objectives

The objectives for this system are to create a graduate student admissions system that enables productivity for all users. This will be achieved by ensuring that the system is easier to use for users of the system.

Benefits/Rationale

The primary benefit of the system is to save stakeholder's time by ensuring accurate and useable tracking of applicant materials and decisions.

1.6 Stakeholders

- Applicant(candidate)
- Reviewers (Academy Staff)
- Admission Staff

1.7 Dependencies on existing systems

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1.8 References

There are no references on other documents.

1.9 Assumptions

Applicant Submission is done. We already have their data.

2. Functional Requirements

2.1 Actor Profile Specifications

- Applicant (describe)
- Reviewer/Admission Staff

2.2 User Stories

Student Perspective

- As a Candidate, I need a sign-up prompt to start registration.
- As a System Owner, I need to have an OTP sent to the user though his/her mail to verify the mail and be able to continue registration.
- As a Candidate, I want an admission form that should appear after the registration and it must include fields for the personal information, academic qualifications, current job (if it exists), major he/she wants to apply for, it also should include fields to upload his/her important papers like academic certificates, transcript, and the resumes.
- As a System Owner, I want the user to select one master's degree program from the available programs displayed according his/her major.
- As a System Owner, I need to save all the student info inside a database, that can be used later by the reviewer.
- As a System Owner, I need a confirmation mail to be sent for submission completion.

Reviewer Perspective

- As a Reviewer, I need a login prompt to enter reviewing page.
- As a System Owner, I need a verification way to confirm that the reviewer is one of our admission staff or faculty staff.
- As a Reviewer, I want a user-friendly view for to easily navigate and choose candidates.
- As a Reviewer, I want a separate view that contains all the data of the chosen candidate that he/she previously entered e.g. personal information, academic qualifications, current job, etc.
- As a Reviewer, I want a scoring mechanism depending on reviewer's metrics like GPA, CV, recommendation letters, etc.

3. Quality Attributes

- Capacity, means that the system database can handle big number of applicants database
- Usability, the system should be user friendly.
- Accessibility, the application view and buttons are easy to interact with.
- Security, the system should verify the applicant and reviewer credentials.

Approval

This document has been approved as the official requirements document for the Room Allocation System project.

Following approval of this document, changes will be governed by the project's change management process, including impact analysis, appropriate reviews and approvals, under the general control of the Master Project Plan and according to Project Support Office policy.

| <i>Prepared by</i> | <i>Signature</i> | <i>Date</i> |
|---|-------------------------|--------------------|
| Author's Name [Title] [Organization] | _____ | _____ |
| <i>Approved by</i> | <i>Signature</i> | <i>Date</i> |
| [Client Acceptor's Name] [Title] [Organization] | _____ | _____ |

Appendix A Interview Log

Interview made by Sarah El-dawy with Dr. Noha Seddik as one of our stakeholders (reviewer) and this interview led to:

1. Changing some UI features to improve the user experience like changing the place of where the scoring fields should exist
2. Adding some requirements like add a field for motivational letter or a research proposal.
3. Removing some feature in the UI that aren't necessary.

Appendix B Conflicting Requirements and Resolution

There is no conflicting requirements

Appendix C Quality Assurance

It will be provided in separate unit test project and a test report.