International Student Portal

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International Student Portal

By

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Masters Project/Graduate Project

Submitted in partial fulfillment of the requirements

For the Degree of Master of Science,
With a Major in Computer Science

Governors State University
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# International Student Portal

**Software Requirements & Design Document**

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1.0 Introduction

1.1 Purpose:
This is a web-based application which provides information to International students about GSU University. GSU International Student Portal is an internet-based application that can be accessed throughout the world. Students can also know updates of the university like cultural events, news, weather reports, etc. Students can fill the contact details so that the school can contact them. The proposed system is completely integrated online system. Students can fill forms to get airport pick from the international office.

1.2 Stakeholder:
There are two sets of stakeholders for this product: Students, coordinator. The main stakeholder affected by the changes described in this document are the Student.

1.3 Social and Economic Benefits:
This Portal helps students to know about the school and get the airport pick up to the student.

2.0 Overall Description

2.1 Scope of the Software enhancement
These changes will improve the ease of use and functionality available to instructors.

2.2 Available Sources
- The International student Portal is a web application that is available from any PC that has internet access.
- The software will be deployed to the Cloud (via Google server).
- There will be no additional hardware.
- This web application is written in C# and all extensions of this application should be written in the same language for maintainability.
- Required Development Tools
Security would stay consistent with the security already in place for this application.

3. Architecture diagram:
4. Interface screens
5. **Functional Requirements**

The proposed changes will add multiple new screens that will provide the instructor with more functionality. After these changes are released, the instructor will be able to:

1. a) Add new Home button to main screen  
   b) Add new Pre-Arrival Form button to main screen  
   c) Add new Contact us button to main screen  
   d) Add new Admin button to main screen

2. Add calendar to the home page.

3. a) Adding user name field to User login page  
   b) Adding password field to User login page  
   c) Adding Submit button to admin login page

4. a) Add new manage Pre-Arrival Form button to main screen  
   b) Add new manage Contact us button to main screen  
   c) Add new manage events to main screen

5. a) Add all required fields to Pre-Arrival Form  
   b) Adding submit button to Pre-Arrival Form

6. a) Adding Name field to Contact us  
   b) Adding Academic level field to User Contact us  
   c) Adding Major field to Contact us Page  
   d) Adding Major field to Academic Level Page  
   e) Adding Message field to Contact us Page  
   f) Adding Submit to Contact us Page

7. Administrator managing screens
6.0 Interface Requirements

Main screen

a) Add new Home button to main screen
b). Add new Pre-Arrival Form button to main screen

c). Add new Contact us button to main screen
d). Add new Admin button to main screen
a) Adding Name field to Contact us

![Diagram showing Contact us with Name field added]


c) Adding Major field to Academic Level Page

![Diagram showing Contact us with additional fields: Name and Academic Level]
c) Adding Major field to Contact us Page

![Diagram for c)](image)

d) Adding Message field to Contact us Page

![Diagram for d)](image)
e) Adding Submit to Contact us Page

7) Administrator managing screens
Database Design:

- **AirportPreArrival**
  - Properties:
    - StudentId
    - StudentName
    - FirstName
    - LastName
    - StudentIdNumber
    - CountryCitizens...
    - Gender
    - HomeAddress
    - City
    - Country
    - HomePhoneNumber
    - EmailAddress
    - EmergencyContact...
    - EmergencyContact...
    - PickupOrNot
    - FDL
    - FDD
    - FDT
    - BeforeArriveChicago
    - ArrivalAirport
    - AD
    - AT
    - ArrivalAirport
    - FlightNumber
    - PlaneStopsOther...
    - StopIfYes
    - FamilyMembers
    - FamilyIfYes
    - FamilyPickup
    - OtherInformation
    - FlightTicketImage
    - FileName
  - Navigation Properties

- **CollegeEvent**
  - Properties:
    - EventId
    - EventName
    - EventDate
    - EventDescription
  - Navigation Properties

- **User**
  - Properties:
    - Id
    - Username
    - Password
  - Navigation Properties

- **Contact**
  - Properties:
    - Id
    - Name
    - AcademicLevel
    - Major
    - Message
  - Navigation Properties
7.0 Operational Requirement

Security, Availability, Reliability, Recoverability

Describe the attributes of each of the topics listed

- Security - There is already security in place for this application. All changes made here are to conform to those same standards.

- Availability - The system should be available 24/7.

- Reliability - The system needs to be reliable for all end users i.e., customers.

- Recoverability - If the web application fails, a user can re-login and all data will reappear as it is being stored on the db.