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|  | **Department of Applied Information Technology**    **The Volgenau School of Information Technology & Engineering**  **IT 431 Web II: Advanced Web Development** |

## Project II – Admissions Website

### Project Overview:

Your company has been contracted to develop a new website for George Mason University. This website will be used by the Admissions department to keep track of prospective students applying to the university. Below is a high-level list of requirements that your website should include as part of the design and implementation.

### High-Level Requirements:

* Website should be data-driven and utilize a SQLServer database
* Website should provide security so that only authorized GMU staff can view or manage applications
* Website should have Home/Landing page that provides an overview of what the school has to offer and other pertinent information that visitors may want to know about the university. (be creative)
* Website should use school colors and logo/brand
* Home page should have a link (call to action) for prospective students to apply to the university
* Prospective students are not required to logon to complete application
* All pages should use a standard layout
  + Header
    - University Name
    - Logo
    - Navigation Menu
  + Content Section
  + Footer
    - School Address and Phone
* At a minimum the website should have the following pages and sections
  + Home/Landing Page
  + Logon
  + Applicant Management (Secured)
    - List of Applicants
      * Display Fields
        + Full Name
        + Submission Date
        + GPA
        + Combined SAT Score
        + Enrollment Year/Semester
        + Admission Decision
      * Search Box
        + Search by SSN
        + Search by Last Name
      * Edit
      * View
      * Delete
  + Applicant Entry Page
    - Contains entry information for
      * Name
        + First, Middle, Last
      * SSN
      * Email Address
      * Home Phone
      * Cell Phone
      * Address
        + Street
        + City
        + State
        + Zipcode
      * DOB (Datepicker)
      * Gender (Radio Button List)
      * High School
        + Name
        + City
      * Graduation Date (Datepicker)
      * Current GPA (4.0 scale)
      * SAT Score
        + Math (Range 0-800)
        + Verbal (Range 0-800)
      * Primary Area of Interest (List of Majors)
      * Prospective Enrollment Date
        + Fall/Spring/Summer
        + Year
  + Edit & Detail Page
    - All Applicant Fields
    - Enrollment Decision
      * Admit
      * Reject
      * Wait List
  + Business Rules
    - Validate that a prospective student can only apply once. (i.e don’t allow duplicate SSN during entry)
    - All fields are required
    - Edit page should allow an administrator to set the enrollment decision
    - Use reasonable validations for all fields (client-side or server-side as appropriate)
      * dates, email addresses, number ranges, ssn, etc
    - If applicant provides a GPA under 3.0, they should be told that they do not meet the minimum qualifications
    - If the combined SAT Scores do not total more than 1000, applicant should be told they do not meet the minimum qualifications