# **Project Requirements**

**Project**: A system for managing students’ resumes

**Description**: Design and implement an initial phase of a students’ resume management system for the School of Information Sciences

# **Design of Information Systems**

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## **Project Requirements**

1. User registration screen
   1. Register Students
   2. Register Employers
   3. Register Faculty
2. Login screen
   1. Allow any registered user to log in
3. Resume creation screen – model this screen after either Monster.com or LinkedIn
4. Resume search – your application must provide REST API for search. You should be able to search resumes on the following criteria:
   * Any keyword – allows searching across all text fields
   * Search by programming language
   * Search by specific skill
5. Resume view screen – a read-only version of the resume creation screen
6. Infrastructure and development environment requirements
   1. **Database** – you must use MySQL. Your tables must have all keys (primary and foreign) and relationships properly defined. Pay attention to correct data types, field lengths, field names, naming consistency, and referential integrity.
   2. **Project code** must be written in Java using Netbeans IDE. You are allowed to use 3-rd party libraries and/or code available on the web. Any code not written by your team members must be clearly documented as such, including any necessary attributions.
   3. **User interface** must be HTML5-compliant.
   4. **JSON** returned by your RESTful web service must validate through jsonlint.com
   5. All code must be documented using JavaDocs
   6. **Class diagram** can be created using any software, but you must submit it as a PDF file.
   7. **ER Model** must be generated using MySQL Workbench and submitted in .MWB format
7. Final product must comply with the **MVC** design pattern – you should not mix data, code and logic.
8. Deliverables

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| **Due Date** | **Deliverable** |
| 2/18/2014 | ER Model |
| 3/18/2014 | UI mockups (in HTML5 format) |
| 4/1/2014 | Class diagram (initial object model design) |
| 4/22/2014 | Final project due |
| 4/22/2014 | Project presentation |