# INFSCI 1025 – Design of Information Systems – Spring 2014

## Final Project - A system for managing students’ resumes.

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

1. System must have at least 5 screens:
   1. User registration screen
   2. Login screen
   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 following criteria:
      1. Any keyword – allows searching across all text fields.
      2. Search by programming language
      3. Search by specific skill
   5. Resume view screen – a read-only version of the resume creation screen
2. 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
3. Final product must comply with the **MVC** design pattern – you should not mix data, code and logic.
4. Throughout the rest of the semester, you will have to submit the following deliverables. Each missed deliverable due date will result in a 5-point deduction from your project grade. Failing to submit a deliverable completely will result in a 10-pint deduction from your project grade. For example, if you are late submitting the ER diagram, your project grade will not be above 95. If you fail to submit the ER diagram at all, your grade will not be above 90.

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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 |

1. You will work in teams of no more than 3 students per team. You are allowed to select your team members, but be careful not to use friendship and proximity as your only selection criteria.