General Requirements:

1. Read all the rules on our website at http://www.vazkor.com/software-challenge.aspx prior to beginning.   Any rule stated in this document will take precedence over any contradictory rule stated on our website.
2. All prize winners will be required to sign a statement confirming that they were the sole author of the code. You may source information from anywhere you'd like (e.g. books, online articles, Google searches, etc.), but you may **not** work in teams, or seek advice from others.
3. The software must be runnable in the latest versions of Google Chrome or Mozilla Firefox. Hosted applications will not be evaluated. You must include a readme.txt with instructions for our evaluators to run the code on their local computers.   Evaluators will use Windows-based PCs.
4. The next section will detail the software specifications for the software challenge.   The parts in red font aren't required but will improve your chances of winning. However, a poorly coded and executed system with the red features will be scored lower than a well coded and executed system without the red features. If you plan on including red features, we recommend you work on them last.
5. When you have completed your work and would like to submit it, create a compressed file (zip or rar) of all the materials.   Fill out the required information and submit the zip/rar file at http://www.vazkor.com/FAUContestUpload. Make sure to include:
   - The source code.
   - A backup of the database or scripts of data.   We prefer that the project has data available.
   - A readme.txt file with all the necessary information to run your project.

Software specifications.

Create a web-based application that will be used by a fictitious Human Resources department.   The department is run by Mr. Henry, who is a stickler for documentation.   Mr. Henry needs to be able to track all employees and keep track of their paperwork.   Mr. Henry's system isn't the only employee tracking system in the company, so he only needs to hold the following, limited, information about an employee:

- Employee ID (8 digit, alpha-numeric)
- First Name
- Last Name
- Address
- Main Phone Number
- Email Address
- Type of Employee: (the 2 choices are W2 or Contractor)
- Hire Date

There is one other piece of information he can see about an employee, but it will be derived from other data in the system (see below).

The software will need the following features:

A CRUD screen for adding, editing, deleting, and viewing employee records. The screen should include a search textbox that will search across all the fields. For example, if he types in "954" into the box, it would find any record that has 954 in the phone number or 954 in the address. If he types "San", it would find Sandy Johnson, Jim Retsan, or Sanderson, FL. The search textbox will not search against Type of Employee or Hire Date, so there should also be a filter option to allow him to see a certain type of employee (e.g. Just W2, just Contractors, or both) and employees hired within a certain date range. All filter options should work together so the more they are used the more it will limit the amount of records that are returned. The CRUD system should also be sortable and paginated.

In addition to the standard CRUD features and the filtering capabilities, Mr. Henry needs a way to upload pictures and documents for an employee. The documents should be limited to the following extensions and types: *.pdf, *.doc(x), *.png, *.jpg, *.gif, *.xls. You have a lot of discretion of how this feature is implemented but the following elements must be in place:

- When a document is uploaded, it must be listed under that employee.
- Each employee can have multiple documents.
- Mr. Henry can tag each document with the following types: "W4 Document", "I9 Document", "Insurance Applications", "401K Application", "Identification Image", or "Other".
- Mr. Henry can add or delete a document for any employee.
- Any document that has been uploaded can be downloaded.
- Any document that has been uploaded can be viewed in a div (preferable) or iframe.
- The employee CRUD screen should include a column for the number of documents uploaded for this employee.

The system does not need a login screen.

You may add in other features not listed here, but they will not be scored in your favor if you have not included all of the other specifications, including the red-font specs.