

## **J583 – Advanced Interactive Media**

### **Project 2: Address Book or Simple CMS**

*(Value: 100 points)*

Two freelance clients have approached you simultaneously requesting contract work. In this project, you will choose between one of these two hypothetical clients.

Client A has a large number of business contacts and has an outdated storage system by only using excel. Now that the business has grown, they really need a full CRM (customer relationship management) system. They want the system to be easy to use and to be easily accessible on desktop, tablet and mobile since sometimes they work out of the office. The business would like to be able to send users a link where they can go to update their information.

Client B has an old website built in Dreamweaver. They are sick of always having to contact their old web developer for updates. However, they don't want all of the fancy functionality of WordPress. They want something simple that is quick and easy to update. They also heard that WordPress can be hacked, so they'd like custom back-end development. The client often writes posts in the notes app on her iPhone, so the website will need to be responsive.

### **JOB SPECIFICS**

#### **Format**

Node.js Application

Express Framework

MongoDB Database Storage

Responsively Designed for phone, tablet and desktop.

#### **Simple CMS Required Form Fields**

Post Title

Post Author

Post Category

Post Content

Post Thumbnail Image

Post Created Date

#### **Simple CMS Front End**

User should be able to see a listing page of all posts with title and created date (pagination optional)

On the list page, user can click a "create" button that will take them to the post creation form

Post can be selected and all 6 fields will be shown in a beautifully designed manner

On the post page, user can click an edit button to change the current post content

#### **Address Book Required Form Fields**

Contact First/Last Name

Contact Job Title

Contact Street Address

Contact City

Contact State

Contact Zip

Contact Notes (Text Field)

#### **Address Book Front End**

User should be able to see a listing page of all clients with name and title

On the list page, user can click a "create" button that will take them to the client creation form

Client can be selected and all required fields will be shown in a beautifully designed manner  
On the client page, user can click an edit button to change the current client's contact information

### **Authoring requirements**

- Project must be easy to update
- Cloning the repository and running `npm install` should install all requirements
- After creating and updating requests, the browser should redirect appropriately
- Should there be further build instructions, they must be stated expressly in the README file
- Any required modules should be saved to the package.json
- Data must save to MongoDB
- Code must be clean and should avoid repetition

Project 2 is due at **5 p.m. on Friday, March 24.**