

Introduction

Objectives

- Develop web application to generate and manage questions in the interview process.
- Allow generation of questions by categories
- Support several concurrent users and database of several thousand questions.
- Support IE 11+
- Run on IIS and with SQL Server 2012

UI Outline + Key Features

As of June 23, 2014

- Sidebar
 - **Candidate Tab** (Hidden until candidate selected or generated)
 - **Generate Tab** (For generating new portfolio of questions)
 - **Search Tab** (For searching through all questions and adding to current portfolio)
 - **Update Tab** (For adding/deleting questions from the database)
 - **Update Keys** (For adding/removing categories/subcategories/roles)
 - **Previously Generated Tab** (Browse and manage previously generated portfolios) *
- Candidate Tab
 - **Print View button** (removes sidebar/buttons, reveals all questions)
 - List of questions by category.
 - Each question has
 - Button for revealing answer
 - Button for removing from current portfolio
- Generate Tab
 - Required Field: Candidate Name
 - Fields: # of questions to generate per category *

User Guide

User Guide

Technology Stack

Technology Stack Overview

Languages Used

- Javascript
- Coffeescript 1.6.3
- Jade 1.0.0 (HTML preprocessor and server-side templating)
- Stylus 0.41.3 (CSS preprocessor)

Front-end Technologies

- **AngularJS** 1.2.6
- **Refer to bower.json** for Angular plugins used
- **Coffeescript** 1.6.3 (compiled to JS in build process)
- **Stylus** 0.41.3 (compiled to CSS in build process)
- **Jade** 1.3.1 (rendered to HTML by back-end)

Back-end Technologies

- **NodeJS** 0.10.23
- **Express Framework** 3.4.3
- **Jade** 1.3.1 for Express render engine
- NodeJS modules:
 - **Node-uuid** 1.4.1 for UUID generation
 - **Tedious** 0.2.5 for SQL Server 2012 driver
 - **MSSQL** 0.5.3 for SQL Server 2012 interface

Build and Workflow Tools

- **Grunt** 0.4.1 for managing and automating build/development processes
- **Refer to Gruntfile.js** for build/dev process details. Briefly:
 - Use "grunt serve" command for development
 - Use "grunt build" command to build for deployment
- **Yeoman** for project scaffolding
 - **angular-fullstack** generator for generating project scaffold and Gruntfile
 - **bower** for managing front-end packages

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