

Individual Project Specification

TRAINING MATERIALS

Contacts

John.Gordon@qa.com

team.qac.all.trainers@qa.com

www.consulting.qa.com

Introduction

The purpose of this document is to outline the individual project specification that you will deliver during your time in the academy. This project will involve concepts from all core training modules, but will also require you to independently research topics that you have not studied in the academy.

Each Monday morning, you will update your fellow trainees on the progress of your project via a short presentation. Your trainer will provide you with feedback on your current progress and will also provide suggestions on how to improve your project.

The core modules this project will cover are:

- Agile
- Databases
- Java
- JavaScript
- Automated Testing
- Continuous Integration

The individual project can be on any subject matter that personally interests you. This description is purposefully open-ended, as we encourage you to be creative during this individual project. You won't be limited to using the above technologies, and can use any technical knowledge or tools you think will benefit your project to complete it.

Project Deliverables

WEEK 1 - AGILE:

- Presentation to outline your chosen project and the tools you will want to use
- Create an initial product backlog for this project

WEEK 2 - DATABASES:

- Presentation on progress and RDBMS you have chosen
- An initial project ERD
- A script that creates an initial DB schema and populates your project tables

WEEK 3 – JAVA WEEK 1:

- Presentation on progress and libraries you are planning to use for this project

WEEK 4 – JAVA WEEK 2:

- Presentation on progress and libraries you have selected to connect Java application to RDBMS
- Code checked into source control that allows entry to the DB via the standard system input

WEEK 5 - JAVA WEEK 3:

- Presentation on progress and JS libraries you plan to use
- Code checked into source control that allows you interact with your RESTful endpoint via JS hosted in a browser.

WEEK 6 - JAVASCRIPT:

- Presentation on progress and JS libraries you plan to use
- Code checked into source control that allows you interact with your RESTful endpoint via JS hosted in a browser.

WEEK 7 – CONTINUOUS INTEGRATION

- Presentation on progress and plan on continuous integration strategy
- Scripts checked into source control that allows automated deployment and runs automated tests

Individual Project Specification

WEEK 8 – AWS

- Presentation on progress and plan on Cloud strategy
- Scripts to automatically deploy project to AWS
- Final project presentation
 - › Senior execs and possible client will attend this

EXAMPLE PROJECT

Your trainer will provide you with a sample case study, source code and examples of a project that meets a similar specification to this project.

USEFUL LEARNING MATERIALS

- QA Consulting courseware
- Instructor-led evening sessions (On request)
- Online video learning. For example, Pluralsight, Codecademy and Udemy.
- Safari Books Online
- Github for extensive sample projects