

## ETQA Engineer Practical Interview Prework

The purpose of this exercise is for candidates to demonstrate their ability get started writing automated tests with good design. The exercise will require you to write a few simple tests on one of Securian's public-facing web applications. The web application is a [retirement savings calculator that can be found here](#).

The preferred framework to use will be to use WebdriverIO with Jasmine. The instructions for WDIO is given below. ***However, if you are unfamiliar with WebdriverIO, you can choose to complete the assignment in whatever framework you are comfortable with.***

### Instructions for WebDriverIO:

To begin, install WebDriverIO by following the [getting started instructions on their website](#). On the step where you configure WDIO, you may choose to omit the '-y' flag if you wish to change default configuration.

### Assignment:

As a person who doesn't want to work for my entire lifetime, I'd like to see check if I'm saving enough for my retirement, so that I can make smart financial decisions.

Acceptance criteria:

- User should be able to submit form with all required fields filled in
- Additional Social Security fields should display/hide based on Social Security benefits toggle
- User should be able to submit form with all fields filled in
- User should be able to update default calculator values

Sample data (feel free to use or disregard)

Field	Value
Current Age	40
Retirement Age	68
Current annual income	\$100000
Spouse's annual income	\$75000
Current retirement savings	\$500000
Current retirement contribution	10%
Annual retirement contribution increase	.25%
Social Security Income	Yes
Relationship status	Married
Social Security Override	\$4000
Additional/other income	\$500
Number of years retirement needs to last	20
Post-retirement income increase with inflation	Yes
Percent of final annual income desired	75%
Pre-retirement investment return	8%
Post-retirement investment return	5%

After finishing the assignment, **delete your node\_modules folder**, archive the project as a .zip file. Although our preference is that you complete this project in Node, for non-Node implementations (like Selenium/Java) your archive zip file should only include the executable files, e.g., POM.xml, Page Objects, Tests, data and any reusable components.

Upload your code to your public GitHub profile. If that is not possible, send your archived zip file to the address mentioned in the email.

Please be prepared to screen share the code you created as we walk through it and ask questions for a portion of the interview.