**ETQA Engineer Practical Interview Prework**

The purpose of this exercise is for candidates to demonstrate their ability get started writing automated tests using Securian’s automated testing tool stack. The exercise will require you to install and configure a NodeJS web testing framework called WebDriverIO as well as 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](https://www.securian.com/insights-tools/retirement-calculator.html).

To begin, install WebDriverIO by following the [getting started instructions on their website](https://webdriver.io/docs/gettingstarted.html). On the step where you configure WDIO, you may choose to omit the ‘-y’ flag if you wish to change default configuration.

Next, you’ll be automating tests cases for this user story:

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

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| --- | --- |
| 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, delete your node\_modules folder, archive the project as a .zip file, and share the link to a public GitHub repository with your code.

Alternatively, you can send it to: xxx