Topics WAA final

Lesson 8 Security

Authorization
Authentication
Session based security
JWT
        What is it?
        How does it work?
        Parts of a JWT string
BCryptencoding passords
How do I call a secure application using JWT?

Programming:
No coding questions on security, but you should understand how it works.

Lesson 9:

- Components
- Props
- useState hook

You should be able to write react components using **props** and **useState**
No imports
You do not need to write index.js

Lesson 10:

- Forms
- Routing/navigation

You should be able to write a react component with a form including the necessary functions and navigation
You should be able to write App.js with routing (BrowserRouter, etc.)
No imports
Only **text input** and **button** web elements

Lesson 11:

- Passing object state
- List
- Validation

You should be able to write a react component that passes data to another react component
You should be able to write a react component that shows an array
No validation

Lesson 12:

- Backend access
- Axios
- Redux

You should be able to write a react component that calls a REST backend using **axios**
No fetch()
You should be able to write react components that uses the **redux store**
You do not have to write the REST backend implementation

Lesson 13:

- Selenium testing
- Page object (with navigation)
- Waits

You should be able to write a simple Selenium test including a page object
No imports
Only **text input** and **button** web elements
Only **by id** and **by name** selectors
No xpath or css selectors
You do not need to memorize this code:

```java
// set path to chromedriver.exe
System.setProperty("webdriver.chrome.driver",
"C:\\tmp\\chromedriver-win64\\chromedriver.exe");
ChromeOptions options = new ChromeOptions();
options.setBinary("C:\\tmp\\chrome-headless-shell-win64\\chrome-
headless-shell.exe");
```

```java
options.addArguments("--remote-allow-origins=*");
// create chrome instance
driver = new ChromeDriver(options);
```