Secure Session Management Testing

Group 2
Prathamesh Mahendra Patwekar,
Manikantan Lakshmanan Eakiri
Stacy Skalicky

4 Architecture Breakers : Secure Session Management

•Authentication failure
1. Able to copy session information from url and re-login after leaving browser or leaving page because of no option to log out

2. Issue with needing to submit credentials twice before being permitted to login
•Authorization failure

3. Able to login on same browser under different and gain access or lose access to actions

4. Access to a button (get books) as a customer you cannot use

•Bugs in Encryption of Session data
5. Able to visibly see the obscured password in url submission if you click back after logging in

6. Able to see obscured password in Inspect window

2 - Passing Unit test - JUnit

- Testing Logout
  a. Login
  b. Check internal maps for session id
  c. Logout
  d. Check internal maps being empty

- Testing Session Timeout
  a. Login
  b. Make REST call to show session is valid and calls work
  c. Wait 61 seconds
  d. Test for expired access (unauthorized)

Front End : Fail/Pass Tests

Demo Cypress Front End to End Tests in HW4 (FAIL)

Demo Cypress Front End to End Tests in HW5 (SUCCEED)