

ABSTRACT

This Final Project aims to manually test the extension feature of the OSS-RBA web application using grey box testing and matrix testing methods. The testing is crucial to ensure the extension feature works correctly, ensuring fields are filled automatically with the right data. Grey box testing combines understanding of the app's structure and how it works with functional testing. Matrix testing helps create and manage a complete set of test cases. In practice, grey box testing uses the inspect network feature on the web to check how the system is set up internally and how users see it. The testing process involves identifying features, designing test scenarios using matrices, putting them into action, and evaluating the results. During this process, identification and testing of fields in the extension menu catch various errors, like fields staying empty or getting filled with incorrect data due to mistakes in how attributes are called. The results show that this approach spots and fixes these errors well. The main point of this project is applying these testing techniques thoroughly to software development. Therefore, this testing ensures that the extension feature in the OSS-RBA app works as expected, improving how efficiently and effectively the system runs overall.

Keywords: Manual Test, Grey Box Testing, Matrix Testing, OSS-RBA.