Testing in DevOps

DOu – Certified Tester in DevOps (CTD)
Exercise Solutions

HO-3.1.0(HO-0)
Step 1 - Getting Sample Code(AB Testing)

- Launch URL https://github.com/umangsaltuniv/EM_ABTesting
- Click Fork at right top section
- "EM_ABTesting" repository will be added on your GitHub account

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HO-3.1.0(HO-0)
Step 2 - Cloning Sample Code(Feature Toggle)

- After forking "EM_ABTesting" repository on GitHub Web, Click "Code" button
- Click "Open with GitHub Desktop"
- Click "Open GitHubDesktop"
- GitHub Desktop UI will be launched
- Browser **C:\DO-United\GitHubRepo** path under "Local path" section
- Click Clone
- GitHub Desktop UI will open the cloned repository and code will be downloaded on local machine under **C:\DO-United\GitHubRepo**

HO-3.1.0(HO-0)
Exercise - Demonstrate how the types of feature testing can be implemented for a given change made in the software – such as for a new feature or modification in an existing one

- Implement A/B Testing on system

HO-3.1.0(HO-0)
Exercise Solution - Demonstrate how the types of feature testing can be implemented for a given change made in the software – such as for a new feature or modification in an existing one

- Open **EM_ABTesting** project code in eclipse(that you cloned earlier in this slide-deck)

  Note: Steps for Opening the code in eclipse are given in Comment section

- Go to **ExpenseController.java** file under **src/main/java/com.expense.controller**

- Uncomment the piece of code given in **ExpenseController.java** file

- Save the file

HO-3.1.0(HO-0)
Exercise Solution - Demonstrate how the types of feature testing can be implemented for a given change made in the software – such as for a new feature or modification in an existing one

- Go to **home.jsp** file under **src > main > webapp** folder
- Comment the piece of code given in **home.jsp** file
- Uncomment the piece of code given in **home.jsp** file
- Save the file
- Launch the Expense Manager app by running **ExpenseApplication.java** file under **src/main/java/com.expense**
- Launch Expense Manager app on browser using

  http://localhost:8088
- Go to Expense Manager's Registration page
- Do registration with two users(first user is registered with Currency **INR** and second user is registered with Currency **USD**)

HO-3.1.0(HO-0)
Exercise Solution - Demonstrate how the types of feature testing can be implemented for a given change made in the software – such as for a new feature or modification in an existing one

- Do login with first user and you will see currency image as a background image of the page

- Do logout

- Do login with second user and you will see dollars image as a background image of the page