



# Testing in DevOps

DOu – Certified Tester in DevOps (CTD)  
Exercise Solutions

## HO-3.2.2(HO-0)

### Step 1 - Getting Sample Code(Dark Launch)

- Launch URL [https://github.com/umangsaltuniv/EM\\_DarkLaunch](https://github.com/umangsaltuniv/EM_DarkLaunch)
- Click Fork at right top section
- “EM\_Dark Launch” repository will be added on your GitHub account

## HO-3.2.2(HO-0)

### Step 2 - Cloning Sample Code(Dark Launch)

- After forking “EM\_Dark Launch” 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-3.2.2(HO-0)

Exercise - Demonstrate how dark launch can be implemented for a given system

- Implement dark launch on system

## HO-3.2.2(HO-0)

Exercise Solution - Demonstrate how dark launch can be implemented for a given system

- Launch below URL in browser:  
<https://app.launchdarkly.com/signup>
- Do Sign Up
- Do Login if not already done
- Go to “Create a feature flag” section
- Enter feature flag name **login-button-color**
- Click CREATE FEATURE FLAG button

## HO-3.2.2(HO-0)

### Exercise Solution - Demonstrate how dark launch can be implemented for a given system

- Make sure Java & Production will be auto-filled under “Set up the application” section
- Scroll down the page and note down your SDK key

E.g. sdk-14f672d4-aadd-40cf-975a-9da50ed3b146

- Go to Feature flags section on “Darkly” website
- Verify feature flag is created and turned-off
- Click login-button-color link

#### Set up the application

Select your language:

Select your environment: ⓘ

Java

Production

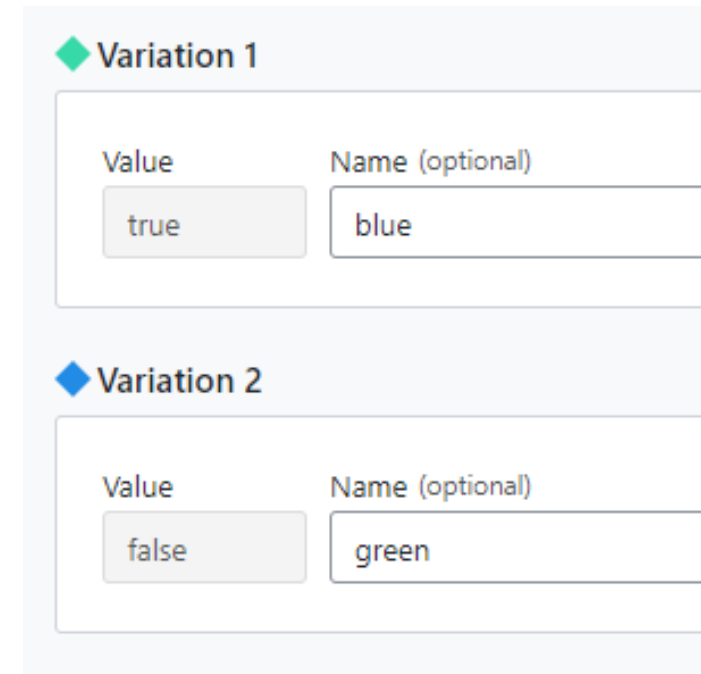
e. Then, in `main` create a new `LDClient` with your *environment-specific* SDK key:

```
public class App {  
    public static void main(String... args) throws IOException {  
        LDClient ldClient = new LDClient("sdk-14f672d4-aadd-40cf-975a-9da50ed3b146");  
    }  
}
```

## HO-3.2.2(HO-0)

Exercise Solution - Demonstrate how dark launch can be implemented for a given system

- Go to Variations section
- Enter “blue” for true variation1
- Enter “green” for false variation2
- Click SAVE WITH COMMENT button



The screenshot displays a user interface for managing variations. It features two distinct sections, each with a header and a form. The first section, 'Variation 1', is marked with a green diamond icon. It contains a 'Value' field with a dropdown menu set to 'true' and a 'Name (optional)' text input field containing the word 'blue'. The second section, 'Variation 2', is marked with a blue diamond icon. It contains a 'Value' field with a dropdown menu set to 'false' and a 'Name (optional)' text input field containing the word 'green'.

| Variation   | Value | Name (optional) |
|-------------|-------|-----------------|
| Variation 1 | true  | blue            |
| Variation 2 | false | green           |

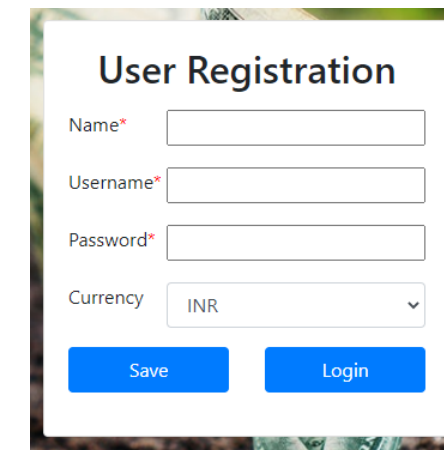
## HO-3.2.2(HO-0)

# Exercise Solution - Demonstrate how dark launch can be implemented for a given system

- Open **EM\_DarkLaunch** project code in eclipse(that you cloned earlier in pre-requisite section)  
Note: Steps for Opening the code in eclipse are given in Comment section
- Go to **UserController.java** file under `src/main/java/com.expense.controller`
- Update the sdk key in code that you noted down from Darkly website
- 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
- Login button will be displayed in green color(as feature is turned-off on Darkly website)
- Now turn on the "login-button-color" feature from "Darkly" website by giving comment & environment(production)
- Now refresh the registration page, now Login button will be displayed in blue color(as feature is turned-on on Darkly website)



The screenshot shows a 'User Registration' form with the following fields: Name\*, Username\*, Password\*, and Currency (set to INR). There are two buttons at the bottom: a blue 'Save' button and a green 'Login' button. The background of the form is a blurred image of a green banknote.



This screenshot is identical to the one above, showing the 'User Registration' form. However, the 'Login' button at the bottom right is now blue, matching the 'Save' button. This change represents the result of enabling the 'login-button-color' feature via dark launch.