**Chargebee - Reverse KT Documentation**

**Table Of Contents:-**

* Environments
  + Dev
  + Staging
  + Prod
* Overview
  + QA Library
  + QA Infrastructure
* Setting Chargebee App Locally
* QA Controller Login
* Chargebee App Walkthrough
* VCS Workflow

**Environment**

Currently supported Environments by Chargebee

* Dev
* Staging
* Production

Dev:

Developers will be checking out Dev remote branch locally and will be developing their features.

Staging:

Replica of Production environment.

Production:

Actual Environment where end Users will be using the Product.

**Overview**

QA Library:-

* 1. Developed on JAVA which provides various Utility classes enabling developers to write flexible test cases with less effort.
* 2. It consists of various packages offering many classes providing different functions such as Assertions,Clicking elements,Handling Exceptions,Starting Drivers,Shutting down driver instances.

QA Infrastructure

* Chargebee makes use of AWS Cloud Computing allowing developers to run their Selenium test cases in Cloud .
* EC2 instance is used to run the Selenium tests in Cloud

**Setting Up Chargebee App Locally**

Below steps enables a User to setup Chargebee App to run locally.

* Clone git Repository (Repo Name) under work directory
* Navigate to Tomcat Directory under chargebee-app folder
* Start Tomcat server by using command “sh restart.sh”
* Navigate to url “app.localcb:8080”

**QA Controller Login**

* Allows User to run specific Test Suite against specific branch by logging into QA Controller Server (<https://qa.devcb.in/>)
* Whenever login attempt is made email is triggered to the QA Team
* AWS runs the test against any available EC2 instance
* Once the test suite run is completed,email is triggered to the QA Team along with the consolidated Test suite report.
* The test suite report contains information about the number of test suite failed along with their stack trace details.

**VCS Workflow**

* Pull latest version from dev branch and create annotated tag
* New features is implemented and code Peer review is done
* Code checkin is performed
* Build is deployed into Staging environment and then onto Production
* Once the code is deployed into Production the origin master branch is updated