

# Oracle EBS R12 - Automated Test Cases Documentation

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Enterprise Solution ISU

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Oracle Applications EBS R12



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## 1. Client Profile

Client is one of the world's largest and most diversified laboratories, and cornerstone of overall company's commitment to technical leadership.

In seven state-of-the art facilities around the world, they're applying expertise in fields from electronics to chemistry, biosciences to computing, metallurgy to fluid mechanics, materials to imaging—and many more—against the world's toughest challenges. Scientists at the largest site, collaborate with colleagues from other sites to invent better ways to build, connect, cure, move and power the world.

Following are the major services provided by the customer:

- Making aircraft engines more efficient
- Powering the world with flexible gas turbines
- Crunching Big Data
- Pioneering the Industrial Internet
- Creating greener ground transportation
- Refining medical imaging for the future

As a recognized global technology leader with 123 years of innovation in their portfolio, their vision is to maintain the company's market edge and to foster new discoveries and commercial applications. Throughout history, scientists and engineers have distinguished themselves, amassing tens of thousands of patents, two Nobel prizes in chemistry and physics, and a list of inventions that have defined and redefined generation after generation.

## **2. Scenario/Challenges Faced**

The background scenario and the challenges faced by the client are explained in this section.

### **2.1 Background Scenario**

The client has multiple projects going on simultaneously, and it requires User Acceptance Testing each time. We have come up with an idea to create automated test cases, which are run from HP ALM tool. TCS needs to analyse all the business functions, scenarios and come up with all possible test case scenarios across modules like General Ledger, Account Payables, Account Receivables, Project Accounting and iProcurement. TCS has to then document all test case scenarios with complete details and explain to QTP scripting team.

### **2.2 Challenges**

Following are the challenges faced by the client and reason for TCS's intervention to provide a solution:

- To ensure all the test case scenarios are listed based on business functions.
- To document all the test cases with complete details in a time bound and quick manner.
- To provide knowledge sharing sessions to QTP scripting team on Oracle Applications EBS.

### 3. TCS Approach/Solution

TCS lists all the test cases based on the business functions and procedures. All the listed test cases would be reviewed from the business users, where they will do due diligence and provide the feedback. The listed test cases would be then documented using Panaya tool, capturing all the details and screenshots of each step. It generates step-by-step detailed functional test scenarios. Panaya tool is integrated with HP ALM tool, so that test cases are captured and stored in a secure place. It reduces all manual errors including omission and commission. It allows real-time visibility and collaboration across testing coverage and progress.

#### 3.1 Solution Analysis

Panaya's integrated suite of SaaS solutions, powered by the Panaya Cloud Quality™ Suite, empowers you to manage and run all your Oracle EBS testing activities at a fraction of the cost. Panaya's testing solutions are highly intuitive and can be deployed in minutes and easily integrated with HP ALM. It ensures leveraging change impact simulation, business user domain knowledge, and a deep understanding of Oracle EBS. Business user can go to HP ALM and run a particular test scenario and within fraction of time, generate the entire test case execution step-by-step and display the results like Passed/Failed.

Based on the analysis, the following steps are performed by TCS:

1. Listing of all test case scenarios based on business functions across modules.
2. Due Diligence by business users for all listed test cases across modules.
3. Documentation of each particular test case generating step-by-step detailed functional test scenario. This is achieved thorough Panaya Tool and stored in HP ALM. Panaya tool is integrated with HP ALM.
4. Verifying the documented test scenarios in HP ALM.
5. Business signoff on each documented test scenario, making sure we have captured all the steps.
6. Knowledge sharing sessions with scripting team, ensuring they get requisite understanding on test scenario objective and steps.
7. Scripting team will prepare the scripts and upload in HP ALM.
8. Running those scripts and verifying if the objective of the test case is met and desired results are obtained.
9. Educating and supporting business users in UAT cycle to run test cases from HP ALM.
10. Ensuring the scripts is moved to Production.
11. Running same test scenario multiple times whenever new project is executed.

## **4. Business Benefits / Value to Client**

Following are the benefits to the client:

- Plan and assign required testing activities to your IT & business testers, manage your test catalog, and gain ongoing visibility and control over defects, test coverage and test cycle progress.
- Accelerate all manual Oracle EBS testing activities performed by your IT and business testers. Creating test scenarios, running tests, reporting defects, and documenting test runs can be completed at a fraction of the time.
- Plan and assign testing tasks, see who is doing what, when, and how effectively. Empower key business users to perform cross-functional testing with ease, and collaborate with IT project management.
- Seamlessly integrate Panaya's test execution with your HP ALM Quality center – leaving your existing QA processes intact.
- Improve quality while simultaneously lowering cost and risk.
- Reduce human errors by providing automated testing plan and runs.
- Reduce enormous time and resources for UAT cycle.
- Reduce the overall total cost.

# Thank You

## Contact

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