

## **QA Test Plan for Combyne.ag**

**Version: 1.0**

**Date Developed: FEB 11, 2023**

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## Table of Contents

<b>Approvals: -</b> .....	3
<b>Revision History: -</b> .....	3
<b>1) Product Description:</b> .....	3
<b>2) Purpose:</b> .....	3
<b>3) Objectives:</b> .....	3
<b>4) Testing Goals:</b> .....	4
<b>5) Environment Specifications:</b> .....	4
<b>6) Test Scenario Cases:</b> .....	4
<b>7) Testing Tools and Techniques</b> .....	5
<b>8) Risk Involved</b> .....	5
<b>9) Out of scope:</b> .....	5
<b>10) Types of testing:</b> .....	5
<b>11) Pass/Fail Criteria:</b> .....	6
<b>12) Review and Approvals:</b> .....	6

**Approvals: -**

Name	Designation	Status	Comments
	Project Manager		
	QA Manager		

**Revision History: -**

Date	Version	Description	Author

**Reference Document: - Business Requirement Document****1) Product Description:**

Combyne.ag is a Web based application and it is giving public access to register accounts, connect with Personal User account, view and access the different categories and many others.

**2) Purpose:**

Combyne.ag will be tested by QA once the build is released to QA and the testing will be performed based on the defined Test Approach till, we meet the Release criteria to produce a quality product.

**3) Objectives:**

The objectives of the product quality assurance test plan are to define the test process and methodologies supporting the overall test strategy.

**Scope:**

The scope of the test plan is to define the test processes and methodologies supporting the overall test strategy. This will be used to assure the quality of all deliverables from development prior to formal customer engagement. This test plan will be updated incrementally along with Technical Brief throughout the development phases. This plan represents the program and discusses the methodology and limitations for testing the product, including test case details or procedural methods. Test metrics will be developed, based on requirements documents, incrementally to support development phases and integrated into the standard tracking process. Each requirement/feature function will be validated against the approved the application.

**This Test Plan accomplishes the following objectives:**

- Identifies the components of the application
- Identifies test coverage and test limitations
- Identifies the testing methodologies and priorities
- Defines pass/fail criteria
- Communicates resources necessary for executing the plan

**The following testable elements are part of this test phase:**

- Login Functionality

#### 4) Testing Goals:

The goals in testing this application include validating the quality, usability, reliability and performance of the application. QA Testing will be performed from a black-box approach, not based on knowledge of internal design or code. Tests will be designed around requirements and functionality. Any bugs raised during the execution of this test plan will be logged and tracked by the QA team.

#### 5) Environment Specifications:

Testing environment/test bed will be setup by IT/DevOps team. This will include:

- Front end running environment
- Platform(s) (MacOs)

#### 6) Test Scenario Cases:

##### 1) Input Constraints

TC-01	Verify Page title
TC-02	Verify Page Url
TC-03	Verify <b>Combyne Logo,Email or Password,Forget Password?, Links and Next</b> button fields should be present on the page
TC-04	Verify all fields in the page are blank on first visit(Default).
TC-05	Verify the field <b>Email and Password</b> have a valid placeholder
TC-06	Verify if user click on <b>Forgot your password</b> Link and go on Find your email page.
TC-07	Verify if user click on <b>Create Account</b> link and <b>popup</b> showup with three option <b>First Name, Last Name and Email.</b>
TC-08	Verify if user click on <b>Contact Us</b> link it will Redirect to Email
TC-09	Verify if a user will be able to login with a <b>valid Email and valid password.</b>
TC-10	Verify if a user will be able to login with a <b>Invalid Email and Invalid password.</b>
TC-11	Verify if a user cannot login with a <b>valid Email and an invalid password with 8 Character.</b>
TC-12	Verify if a user cannot login with a <b>valid Email and an invalid password with 5 Character.</b>
TC-13	Verify if a user cannot login with a <b>Empty Email and an Empty password.</b>

TC-14	Verify if a user cannot login with a <b>value not email and an password.</b>
TC-15	Verify if the data in <b>Password</b> field is either visible as asterisk or bullet signs.
TC-16	Verify if the password can be copy-pasted or not.
TC-17	Verify if the ' <b>Enter</b> ' key of the keyboard is working correctly on the login page.

## 2) Boundary value analysis

- Minimum - Takes minimum 8 characters. (xxxxxxx)

## 7) Testing Tools and Techniques

Apart from Manual and Automation tests, the following tools will be used:

- Selenium (With TestNG, eclipse, Maven)
- MS-Excel (to write the manual test cases)

## 8) Risk Involved

- Scope creep: Last minute addition of new requirements.
- Aggressive target date increases the risk of defects being migrated to production.
- Any downtime of the test system will significantly impact the testing cycle.

## 9) Out of scope:

Compatibility with:

- Performance Testing

## 10) Types of testing:

Functional testing: Functional testing, or “black box” testing, focuses on the functional requirements of the software. Functional testing is performed to confirm that the application operates accurately according to the documented specifications and requirements.

Regression testing: Regression testing shall be performed to verify that previously tested features and functions do not have any new defects introduced, while correcting other problems or adding and modifying other features.

Acceptance testing: After the system test has corrected all or most defects, the system will be delivered to the user or customer for **Acceptance Testing** or **User Acceptance Testing (UAT)**.

## 11) Pass/Fail Criteria:

Pass criteria/Release criteria:

- All test scenarios have been completed successfully.
- All major/critical issues tracked and closed.
- All outstanding defects are documented with a priority status.

Fail Criteria:

- Major/Critical issues have not been resolved and tested.
- Test cases in Regression suite failed.

## 12) Review and Approvals:

When all the activities that are defined in test plan are performed/passed it need to be reviewed for sign-off by all entities involved like Project manager/Scrum master, Business analyst and QA manger.