

Software Test Plan Specification

for

Unique Builders Company

Version 1.0 approved

Prepared by Tech Titans

Cal Poly Humboldt

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Revision History

Name	Date	Reason For Changes	Version
Original Version	10/19/2023	Sprint 3	1

1. Introduction

1.1 Overview

This sprint focuses on enhancing the web portal that serves as a hub for both employees and customers. The portal is designed to streamline internal operations and improve the company's online presence. This document outlines the test plan for all the system functionalities for the software that is being developed.

1.2 Goals and Objective

1.2.1 Goals

- Ensure the functionalities introduced in this sprint are robust, secure, and user-friendly.
- Validate the automation of internal processes such as employee management, timekeeping, payroll, and work order management.

- Confirm the efficiency of the customer contact form and its integration with the company's communication channels.

1.2.2 Objectives

- Test the employee login system for various scenarios.
- Validate the functionality of the customer contact form.
- Ensure the software functionalities for managing employee information, timekeeping, payroll, and work orders are working as expected.
- Confirm the compatibility of the website across different devices.

1.3 Scope

This sprint's testing scope encompasses the functionalities introduced in the web portal for Unique Builders. The test plan will cover the employee login system, customer contact form, and the functionalities for managing employee information, timekeeping, payroll, and work orders. The aim is to identify any bugs, vulnerabilities, or areas of improvement to ensure a seamless user experience.

2. Test Plan Table

2.0 Description

This table provides a comprehensive overview, laying out the test plan for all functional areas to ensure robustness and efficiency in the software's performance

Functional Area	Description	Input	Methods & Functions	Expected Output	Actual Output
2.1.1 Employee Login	An employee is logging into their account for the first time.	Cr124; cr@gmail.com ; 707-620-1000;	verifyEmpl() setupAct()	The employee successfully set up their account and is logged in.	The information inputted doesn't save and the user is sent to the main login page
2.1.2 Employee Login	An employee logging in using a valid username and password.	Ab145; 245424	verifyEmpl()	The employee is successfully logged in.	Employee username is not registered in the database,

					therefore they are unable to log in.
2.1.3 Employee Login	An employee attempts to log in with an incorrect password.	Ab145; password	verifyEmpl()	The login fails and the employee is prompted to enter the correct password. There is also a notification for the number of attempts left.	With no usernames or passwords registered in the database, the user is unable to get to the input password stage.
2.1.4 Employee Login	Log-in attempt with an invalid username.	Test112 admin	verifyEmpl()	The login fails and a notification states that the employee doesn't exist. The message also suggests contacting the IT admin if help is needed to resolve the issue.	The system prompts the user that the username that was inputted is not valid.
2.1.5 Employee Login	An employee attempts to log in with an incorrect password and exhausted all available attempts.	Ab145; 12345; 23345; 00000; 22222; 88123;	verifyEmpl()	The password submit button and textbox are deactivated and the account is locked for 24 hours.	The password textbox and submit button are deactivated from user interaction.

2.2.1 Forgot password	An employee who has previously set up their account with their email is attempting to reset their password.	cr@gmail.com ;	resetPass()	The employee successfully verifies their phone number and receives a temporary password via email. The employee will re-enter their username and then be prompted to confirm the temporary and new password.	
2.2.2 Forgot password	An employee who has set up their account with their phone number is attempting to reset their password.	707-620-1000;	resetPass()	The employee successfully verifies their phone number and receives a temporary password via text message. The employee will re-enter their username and then be prompted to confirm the temporary and new password.	
2.2.3 Forgot password	An employee who has set up their account with their phone number is attempting to reset their password with an incorrect phone number.	322-222-1000;	resetPass()	Employee fails to verify their phone number and is prompted to enter the correct phone number.	

2.2.4 Forgot password	An employee who has set up their account with their email is attempting to reset their password with an incorrect email.	test@gmail.com ;	resetPass()	Employee fails to verify their email and is prompted to enter the correct email.	
2.3.1 Add/Deactivate Employee	An office worker adds a new employee by entering in their first and last name along with their role.	Leo Longus Office	addEmpl()	An email is sent with the new employee's first and last name along with their role.	
2.3.2 Add/Deactivate Employee	An office worker adds a new employee that has the same name as an existing employee.	Leo Longus Office	addEmpl()	An email is sent with the new employee's first and last name along with their role.	
2.3.3 Add/Deactivate Employee	An office worker changes an employee's status to inactive.	Emex Gilo	terminateEmpl() ()	An existing employee's status is changed to inactive.	

2.4.1 Timekeeping & Payroll	An office worker clicks the submit button for the current weekly payroll.	N/A	updatePayroll())	The current weekly payroll is successfully updated in the database.	
2.4.2 Timekeeping & Payroll	An office worker refreshes the page before submitting the edited Payroll.	N/A	updatePayroll())	Once the page is refreshed the current weekly payroll info is reset to the values before it was edited.	
2.4.3 Timekeeping & Payroll	An office worker clicks the Create New Weekly Payroll Button to generate pay for the new week.	N/A	createPayroll()	A new weekly payroll table is generated for the new week with all current active employees. Each employee row has a drop down menus for payment type, number of hours worked, and hourly wage. At the end of the row the Amount to be paid is calculated with the hourly wage and work hours.	

2.4.4 Timekeeping & Payroll	An office worker select a value from the payment type drop down for an employee and click the submit button for the current weekly payroll.	cash;	updatePayroll())	The current weekly payroll table in the database is successfully updated to reflect the value of cash for the selected employee in the payment type column.	
2.4.5 Timekeeping & Payroll	An office worker increments the hours worked value for an employee to 40 hours and increments the hourly wage of the employee in the current weekly payroll to \$28.	40; 28;	payAmt()	The employee's amount to be paid is changed to the correct value that reflects the amount of hours worked being multiplied against their wage.	
2.4.6 Timekeeping & Payroll	An employee selects a weekly payroll from the week drop down menu.	8/15/2023- 8/22/2023;	weekOfPay()	The current weekly payroll information table displayed will change to the payroll week of the date selected.	

2.5.1 Job work orders	An employee successfully logs in to their account and clicks on the work order tab.	N/A	N/A	Employee is successfully directed to the Work Orders page.	
2.5.2 Job work orders	An employee on the work order page clicks on the Create New Work order Button.	N/A	addWork()	A new work order is added to the list of work orders with the Work Order ID field filled out and all other fields blank.	
2.5.3 Job work orders	An employee selects a work order to update by clicking the edit button next to the choose work order ID.	WO34467;	updateWork()	After clicking the update button the selected Work ID field values become available to change using the drop down menu.	
2.5.4 Job work orders	An office worker refreshes the page before submitting the edited work order.	N/A	updateWork()	Once the page is refreshed the current weekly payroll info is reset to the values before it was edited.	

3. Prototype Demo

3.1 Demo Overview

The video showcases the initial layout and structure of our website, highlighting the interconnectivity between various sections to enhance user navigation and experience.

3.2 Highlighted Features

3.2.1. About Us: Dive deep into our journey, values, and the driving force behind Unique Builders, offering a personal touch to our digital presence.

3.2.2. Previous Projects: A visual portfolio capturing our craftsmanship, innovation, and dedication, where viewers can explore a range of projects completed to the highest standard.

3.2.3. Customer Feedback: Hear directly from our valued clients, showcasing genuine testimonials that underline our commitment to quality and customer satisfaction.

3.2.4. Employee Login: A sneak peek into our dedicated portal for our employees. While this section is still a work in progress, the aim is to facilitate a seamless digital workspace for our Unique Builders team.

3.2.5. Customer Contact Page: Offering a channel for potential clients to reach out. This page, while a work in progress, promises to streamline communication and provide an easy interface for queries and feedback.

3.2.6 Future Expectations:

While the prototype provides a foundation, we will continue to enhance and develop features for the employee login and customer contact page. Incorporating database information storage and other interactive features that help both customers and employees navigate through the website

3.3 Video Link

<https://youtu.be/l6KJ6Mt50oI>