SKYLANCE

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SYSTEM REQUIREMENT SPECIFICATION

NET BOX DIGITAL PRINTERS - TOKEN WEB APPLICATION

Table of Content

Introduction

This document details the scope of the functionality, product objectives and deliverables. These objectives and deliverables will be the only output of the proposed enhancement.

The purpose of this document is to fully document the specifications and requirements of the proposed solution. The audience of this document will be the client (NET BOX Digital Printers), the technical professionals who are developing the solution, QA Engineer and all other stakeholders.

This will provide a detailed overview of the functionality, parameters, target audience, and all other related aspects.

Project Overview

NET BOX Digital Printers stands as a prominent and widely recognized digital printing service provider located in Colombo, Sri Lanka.

The organization is embarking on a strategic initiative to enhance operational efficiency by introducing a token web application. This application is designed to optimize and streamline the daily design and printing processes within the company.

The primary goal of this initiative is to implement a token-based system to effectively manage tasks throughout the entire lifecycle, starting from order creation and progressing through to billing.

This streamlined process is intended to improve overall workflow efficiency and enhance the customer experience.

Project Scope

The following points define the scope of the Token Web Application, providing clear boundaries and outlining the key objectives to be achieved by NET BOX Digital Printers.

- Token Web Application development
    - Developing a responsive solution ensures seamless performance across various devices (desktop/ tablet/ mobile)
    - Implementing features for administrators of the solution such as Application Configuration, User Management, Customer Management, Job Creation and Management, Invoice and Payments, Advertisement Management, Intuitive Dashboard and Reports.

    - Implementing features for designers of the solution to manage and update jobs created.

- User Experience Enhancement
    - Designing an interface that is user friendly and easy to navigate.

Assumptions

Key assumptions are,

- Assumption is made that the existing process in the current system is correct.
- Assumption is made that the facility to host this application will be solely dependent on the client end. Development team will support if all the required facilities are provided.
- The users of the system will have some means of strong connectivity with the server (Internet).
- All the users are assumed to be familiar with basic computer processes that will enable them to use this application.
- The user interface will be designed to suit the users with normal eyesight.
- It is assumed that the end user will enter accurate information.
- The system should have the ability for the rapid development of new functions and integrations.
- Assumption is made that any changes that are not bound in the defined scope will be considered as change requests (CR). Cost, timeline, effort, any required infrastructures and facilities will be taken into consideration for any additional CRs.

Features and User Stories

Actor	Feature	User Story No.	User Story
Administrator (The user who has all administration permission)	login & Logout	US001	As an administrator, I should be able to login to the application.
		US002	As an administrator, I should be able to logout from the application.
	Admin Configuration	US003	As an administrator, I should be able to CRUD service category and service
		US004	As an administrator, I should be able to CRUD client types.
		US005	As an administrator, I should be able to CRUD job types.
		US006	As an administrator, I should be able to CRUD design send option.
	User Management	US007	As an administrator, I should be able to CRUD User roles
		US008	As an administrator, I should be able to CRUD Users.
		US009	As an administrator, I should be able to activate/ deactivate users.
		US010	As an administrator, I should be able to change the password of users.
	Customer Management	US011	As an administrator, I should be able to view the list of all my customers.
		US012	As an administrator, I should be able to view the job history of a customer.
	Job Creation and Management	US013	As an administrator, I should be able to create a customer job.
		US014	As an administrator, I should be able to view the job board
		US015	As an administrator, I should be able to update a job.
		US016	As an administrator, I should be able to cancel a job.
	Advertisement Management	US017	As an administrator, I should be able to upload advertisements materials.
		US018	As an administrator, I should be able to remove uploaded advertisement materials.
		US019	As an administrator, I want advertisement materials to be displayed on an external screen.

	Dashboard	US020	As an administrator, I should be able to view the number of invoices created.
		US021	As an administrator, I should be able to view the total sales value of invoices created.
		US022	As an administrator, I should be able to view in progress job tokens by designers.
		US023	As an administrator, I should be able to view the number of in queue job tokens of designers.
		US024	As an administrator, I should be able to view the list of billed invoices (Unpaid Invoices)
	Payments	US025	As an administrator, I should be able to collect payment of billed jobs.
		US026	As an administrator, I should be able to print the invoice.
	Reports	US027	As an administrator, I should be able to view the invoice report.
		US028	As an administrator, I should be able to view report dashboard items.
		US029	As an administrator, I should be able to export the payment report to excel format.
Designer (The user who has all designer permissions)	Dashboard	US030	As a designer, I should be able to view the in progress job in my dashboard.
		US031	As a designer, I should be able to view job tokens that are assigned to me.
	Job Management	US032	As a designer, I should be able to skip an assigned job,
		US033	As a designer, I should be able to start an assigned job.
		US034	As a designer, I want to display the in progress job token number on an external display.
		US035	As a designer, I should be able to pause a job.
		US036	As a designer, I should be able to resume a job.
		US037	As a designer, I should be able to complete a job.
		US038	As a designer, I should be able to view the job board.
		US039	As a designer, I should be able to update billed jobs.

<table>
<tr><td>User Story ID: US001</td><td>Feature: Login & Logout</td></tr>
<tr><td colspan="2">User Story Title: Login to the application</td></tr>
<tr><td colspan="2">User Story:

As an administrator,

I should be able to login to the application.

So that, I can access the application as expected.</td></tr>
<tr><td colspan="2">Description

<u>LOGIN</u>

● When the administrator accesses the system URL, the administrator should be able to view the login screen.

● The administrator should enter the valid user name OR email and password to login.

<u>RESET PASSWORD</u>

● The administrator should be able to enter valid username OR email to request password reset email.

● The password reset email should be sent to the relevant email address of the administrator with the password reset link.

● The administrator can reset the password by adding a new password and confirming the new password by accessing the password reset link.

Conditions:

● An error message should be shown if the username OR email address and password are invalid.

● An error message should be shown if the entered username OR email address does not exist when requesting the password reset email.</td></tr>
<tr><td colspan="2">Acceptance Criteria

Scenario 01: Successful Login

Given- I am in the login screen
When- I enter valid username/ Email and the password
Then- I should be able to log in to the application.

If- the username/ Email and the password is not valid</td></tr>
</table>

Then- An error message should be shown. **And-** I should not be able to log in to the application. **Scenario 02: Request password reset email** **Given-** I am in the login screen **When-** I click on “Forgot Password” option **Then-** I should be able to enter the username OR email address. **And-** I should be able to submit to get the password reset email. **If-** the username/ Email is valid, **Then-** I should receive the password reset email. **If-** the username/ Email is invalid, **Then-** An error message should be shown. **And-** I should not receive the password reset email. **Scenario 03: Reset Password** **Given-** I am viewing the password reset email. **When-** I click on password reset link in the email **Then-** I should be redirected to password reset page **And-** I should be able to enter a new password **And-** I should be able to confirm the new password by retyping it. **Then-** The new password should be updated

User Story ID: US002	**Feature:** Login & Logout
User Story Title: Logout from the application	
User Story: As an administrator, I should be able to logout from the application. So that, I can ensure my session is ended and my account is secure.	
Description ● The administrator should be able to log out from the application by clicking on the “Logout” button/ icon. ● The administrator should be redirected to the login page after logging out from the application.	

• After logged out, The administrator should be redirected to the login page if tried to access any pages or resources in the application.
Acceptance Criteria **Scenario 01: Logging out** **Given-** I have logged in to the application. **When-** I click on the logout button/ icon **Then-** I should be logged out from the application. **And-** the session should be ended. **And-** I should be redirected to the login page of the application.

User Story ID: US003	**Feature:** Admin Configurations
User Story Title: CRUD service category and services	
User Story: As an administrator, I should be able to CRUD service category and services So that, I can manage services under relevant service categories.	

Description
 	
<u>CREATE</u>
 	
• The administrator should be able to create unlimited service categories in the application.
 	
• Service category Input fields:
    ○ Service Category Name - Required
    ○ Description - Optional
 	
• The administrator should be able to create unlimited services in a category
 	
• Service Input fields:
    ○ Service Name - Required
    ○ Description - Optional
    ○ Service Rate - Optional
 	
• The administrator should be able to remove created services before saving the service category.
 	
• Actions:	

    - Save- Service category should be created.
    - Discard - Service category details and services details added should be reset and it should not be created.

- Conditions:

    - Service category name cannot be duplicated
    - Service name cannot be duplicated.
    - At least one service should be added in the category to be saved
    - Service rate can be 0.

READ

- The administrator should be able to read all service categories created in the application.

- Columns:

    - Service Category Name
    - Number of services

- The administrator should be able to read a service category in detail by clicking on the service category name.

- Actions:

    - View - Service category can be individually read.
    - Edit - Service category can be updated.
    - Delete - Service category can be deleted.

UPDATE

- The administrator should be able to update a service category created in the application.

- Service category Editable fields:

    - Service Category Name
    - Description

- The administrator should be able to update a service in the category.

- Service Editable fields:

    - Service Name
    - Description
    - Service Rate

- The administrator should be able to add a new service in the category.

- The administrator should be able to remove a service in the category.

- Actions:
    - Update - Service category and services should be updated.
    - Discard - Service category and services should not be updated.

- Conditions:
    - Service category name cannot be duplicated
    - Service name cannot be duplicated.
    - At least one service should be added in the category to be saved

DELETE

- The administrator should be able to delete a service category created in the application.

- The administrator should confirm the deletion.

- Actions:
    - Confirm - Service category should be deleted.
    - Discard - Service category should not be deleted.

- Conditions:
    - None

- Results (Confirmed deletion):
    - The service category cannot be used in any related future activities.
    - The services in the category cannot be used in any related future activities.

Acceptance Criteria

Scenario 01: Creating a service category

Given- I am in the service category configuration page.
When- I click on the “Add New” button/ icon
Then- Service category creation page should be shown.

And- I should be able to add service category required details
And- I should be able to add services with required details
And- I should be able to remove the added services

And- I should be able to save the service category.
OR- I should be able to discard it.

If- I click on “Save”
Then- The service category and the services should be saved.

OR If- I click on “Discard”

Then- The service category should not be saved.
And- Service category creation page should be closed.

Scenario 02: Reading service categories

Given- I am on the configuration page.
When- I click on the “Service Categories” configuration page
Then- all the created service categories should be listed.

And- I should be able to click and view the service category in detail
And- I should be able to edit the service category
And- I should be able to delete the service category

Scenario 03: Updating a service category

Given- I am reading the created service categories.
When- I click on the “Edit” button/ icon
Then- Service category edit page should be shown.

And- I should be able to edit the service category details
And- I should be able to edit the service details of a service in the category.
And- I should be able to add a new service in the category.
And- I should be able to delete a service in the category.

And- I should be able to update the service category
OR- I should be able to discard it.

If- I click on “Update”
Then- The service category should be updated.

OR If- I click on “Discard”
Then- The service category should not be updated.
And- Service category edit page should be closed.

Scenario 04: Deleting a service category

Given- I am reading the created service categories.
When- I click on the “Delete” button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
Then- The service category should be deleted.

OR If- I click on “Discard”
Then- The service category should not be deleted.
And- Service category confirmation message window should be closed.

And- the deleted service category should not be used for any related future activities.
And- the deleted service should not be used for any related future activities.

User Story ID: US004	**Feature:** Admin Configuration
User Story Title: CRUD Client Types	
User Story: As an administrator, I should be able to CRUD client types So that, I can categories jobs based on client types	

Description

CREATE

- The administrator should be able to create client types in the application.
- Input fields:
  - Client Type Name - Required
- Actions:
  - Save- Client type should be created.
  - Discard - Client type details added should be reset and it should not be created.
- Conditions:
  - Client type name cannot be duplicated

READ

- The administrator should be able to read all client types created in the application.
- Columns:
  - Client Type Name
- Actions:
  - Edit - Client type can be updated.
  - Delete - Client type can be deleted

UPDATE

- The administrator should be able to update a client type created in the application.

- Editable fields:
    - Client type name
- Actions:
    - Update - Client type should be updated.
    - Discard - Client type should not be updated.
- Conditions:
    - Client type name cannot be duplicated

DELETE

- The administrator should be able to delete a client type created in the application.
- The administrator should confirm the deletion.
- Actions:
    - Confirm - Client type should be deleted.
    - Discard - Client type should not be deleted.
- Conditions:
    - None
- Results (Confirmed deletion):
    - The client type cannot be used in any related future activities.

Acceptance Criteria

Scenario 01: Creating a client type.

Given- I am in the client type configuration page.
When- I click on the "Add New" button/ icon
Then- Client type creation page should be shown.

And- I should be able to add required details
And- I should be able to save the client type.
OR- I should be able to discard it.

If- I click on "Save"
Then- The client type should be saved.

OR If- I click on "Discard"
Then- The client type should not be saved.
And- Client type creation page should be closed.

Scenario 02: Reading client types

Given- I am on the configuration page.
When- I click on the “Client type” configuration page
Then- all the created client types should be listed.

And- I should be able to edit the client type.
And- I should be able to delete the client type.

Scenario 03: Updating a client type

Given- I am reading the created client types.
When- I click on the “Edit” button/ icon
Then- Client type edit page should be shown.

And- I should be able to edit the details
And- I should be able to update the client type
OR- I should be able to discard it.

If- I click on “Update”
Then- The client type should be updated.

OR If- I click on “Discard”
Then- The client type should not be updated.
And- Client type edit page should be closed.

Scenario 04: Deleting a client type

Given- I am reading the created client types.
When- I click on the “Delete” button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
Then- The client type should be deleted.

OR If- I click on “Discard”
Then- The client type should not be deleted.
And- Client type confirmation message window should be closed.

User Story ID: US005	**Feature:** Admin Configuration
User Story Title: CRUD Job Types	

User Story:

As an administrator,

I should be able to CRUD job types

So that, I can categories jobs based on job types

Description

<u>CREATE</u>

- The administrator should be able to create job types in the application.
- Input fields:
  - Job Type Name - Required
- Actions:
  - Save- Job type should be created.
  - Discard - Job type details added should be reset and it should not be created.
- Conditions:
  - Job type name cannot be duplicated

<u>READ</u>

- The administrator should be able to read all job types created in the application.
- Columns:
  - Job Type Name
- Actions:
  - Edit - Job type can be updated.
  - Delete - Job type can be deleted

<u>UPDATE</u>

- The administrator should be able to update a job type created in the application.
- Editable fields:

- Job type name

- Actions:
  - Update - Job type should be updated.
  - Discard - Job type should not be updated.

- Conditions:
  - Job type name cannot be duplicated

DELETE

- The administrator should be able to delete a job type created in the application.
- The administrator should confirm the deletion.
- Actions:
  - Confirm - Job type should be deleted.
  - Discard - Job type should not be deleted.
- Conditions:
  - None
- Results (Confirmed deletion)
  - The job type cannot be used in any related future activities.

Acceptance Criteria

Scenario 01: Creating a job type.

Given- I am in the job type configuration page.
When- I click on the "Add New" button/ icon
Then- Job type creation page should be shown.

And- I should be able to add required details
And- I should be able to save the job type.
OR- I should be able to discard it.

If- I click on "Save"
Then- The job type should be saved.

OR If- I click on "Discard"
Then- The job type should not be saved.
And- Job type creation page should be closed.

Scenario 02: Reading job types

Given- I am on the configuration page.
When- I click on the “Job type” configuration page
Then- all the created job types should be listed.

And- I should be able to edit the job type.
And- I should be able to delete the job type.

Scenario 03: Updating a job type

Given- I am reading the created job types.
When- I click on the “Edit” button/ icon
Then- Job type edit page should be shown.

And- I should be able to edit the details
And- I should be able to update the job type
OR- I should be able to discard it.

If- I click on “Update”
Then- The client type should be updated.

OR If- I click on “Discard”
Then- The job type should not be updated.
And- Job type edit page should be closed.

Scenario 04: Deleting a job type

Given- I am reading the created job types.
When- I click on the “Delete” button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
Then- The job type should be deleted.

OR If- I click on “Discard”
Then- The job type should not be deleted.
And- Job type confirmation message window should be closed.

User Story ID: US006	Feature: Admin Configuration
User Story Title: CRUD Types of design send options	

User Story:

As an administrator,

I should be able to CRUD design send options

So that I can set the design send option to the jobs.

Description

CREATE

- The administrator should be able to create the design send options in the application.
- Input fields:
    - Send Option Name - Required
- Actions:
    - Save- Send option should be created.
    - Discard - Send option details added should be reset and it should not be created.
- Conditions:
    - Send option name cannot be duplicated

READ

- The administrator should be able to read all send options created in the application.
- Columns:
    - Send Option Name
- Actions:
    - Edit - Send option can be updated.
    - Delete - Send option can be deleted

UPDATE

- The administrator should be able to update a send option created in the application.
- Editable fields:

- Send option name

- Actions:
  - Update - Send option should be updated.
  - Discard - Send option should not be updated.

- Conditions:
  - Send option name cannot be duplicated

DELETE

- The administrator should be able to delete a send option created in the application.

- The administrator should confirm the deletion.

- Actions:
  - Confirm - Send option should be deleted.
  - Discard - Send option should not be deleted.

- Conditions:
  - None

- Results (Confirmed deletion):
  - The send option cannot be used in any related future activities.

Acceptance Criteria

Scenario 01: Creating a send option.

Given- I am in the send option configuration page.
When- I click on the “Add New” button/ icon
Then- Design option creation page should be shown.

And- I should be able to add required details
And- I should be able to save the send option
OR- I should be able to discard it.

If- I click on “Save”
Then- The send option should be saved.

OR If- I click on “Discard”
Then- The send option should not be saved.
And- Send option creation page should be closed.

Scenario 02: Reading send options

Given- I am on the configuration page.
When- I click on the “send option” configuration page
Then- all the created send options should be listed.

And- I should be able to edit the send options.
And- I should be able to delete the send options.

Scenario 03: Updating a send options

Given- I am reading the created send options.
When- I click on the “Edit” button/ icon
Then- send option edit page should be shown.

And- I should be able to edit the details
And- I should be able to update the send option
OR- I should be able to discard it.

If- I click on “Update”
Then- The send option should be updated.

OR If- I click on “Discard”
Then- The send option should not be updated.
And- Send option edit page should be closed.

Scenario 04: Deleting a send option

Given- I am reading the created send options
When- I click on the “Delete” button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
Then- The send option should be deleted.

OR If- I click on “Discard”
Then- The send option should not be deleted.
And- Send option confirmation message window should be closed.

User Story ID: US007	**Feature:** User Management
User Story Title: CRUD User Roles	

User Story:

As an administrator,

I should be able to CRUD user roles

So that I can create a list of user roles that I can assign to users of my organization.

Description

<u>CREATE</u>

- The administrator should be able to create user roles in the application.
- Input fields:
    - User Role Name - Required
- The administrator should be able to set permissions of the user role.
- The permission list categorization:
    - Administrator Permissions
    - Designer Permissions
- The administrator should set either administrator permission OR designer permission to the user role. Both permission categories cannot be assigned.
- The administrator can individually allow/ restrict administrator category permissions.
- The administrator cannot individually allow/ restrict designer category permissions.
- Actions:
    - Save- User role should be created.
    - Discard - User role details and permissions set should be reset and it should not be created.
- Conditions:
    - User role name cannot be duplicated.
    - Allowed permissions can be either administrator category permissions OR designer category permissions for the user role.
    - Can allow/ restrict permissions individually in the administrator category.
    - Cannot allow/restrict permissions individually in the designer category.
    - At least one permission should be allowed/ enabled.

READ

- The administrator should be able to read all user roles created in the application.
- Columns:
    - User Role Name
- Actions:
    - View - User roles can be individually read.
    - Edit - User role can be updated.
    - Delete - User role can be deleted

UPDATE

- The administrator should be able to update a user role created in the application.
- Editable fields:
    - User role name
- The administrator should be able to update the permissions allowed.
- Actions:
    - Update - User role should be updated.
    - Discard - User role should not be updated.
- Conditions:
    - User role name cannot be duplicated
    - At least one permission should be allowed/ enabled.

DELETE

- The administrator should be able to delete user roles created in the application.
- The administrator should confirm the deletion.
- Actions:
    - Confirm - Send option should be deleted.
    - Discard - Send option should not be deleted.
- Conditions:
    - Can delete only if there are no users assigned with the user role.
- Results (Confirmed deletion):
    - The user role cannot be assigned for any users in future.

Acceptance Criteria

Scenario 01: Creating a user role

Given- I am in the user role configuration page
When- I click on the "Add New" button/ icon
Then- User role creation page should be shown.

And- I should be able to add required details
And- I should be able to set permissions

And- I should be able to save the user role
OR- I should be able to discard it.

If- I click on "Save"
Then- The user role should be saved.

OR If- I click on "Discard"
Then- The user role should not be saved.
And- User role creation page should be closed.

Scenario 02: Reading user roles

Given- I am on the user management page.
When- I click on the "user role" configuration page
Then- all the created user roles should be listed.

And- I should be able to edit the user roles.
And- I should be able to delete the user roles.

Scenario 03: Updating user roles

Given- I am reading the created user roles
When- I click on the "Edit" button/ icon
Then- user role edit page should be shown.

And- I should be able to edit the details
And- I should be able to update the user role
OR- I should be able to discard it.

If- I click on "Update"
Then- The user role should be updated.

OR If- I click on "Discard"
Then- The user role should not be updated.
And- User role edit page should be closed.

Scenario 04: Deleting a user role

Given- I am reading the created user roles
When- I click on the "Delete" button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
And if- There are no users assigned with the user role
Then- The user role should be deleted.

OR If- I click on “Discard”
Then- The user role should not be deleted.
And- User role confirmation message window should be closed.

User Story ID: US008	**Feature:** User Management
User Story Title: CRUD Users	
User Story: As an administrator, I should be able to CRUD users So that I can create a list of users who can access the application.	

Description

CREATE

- The administrator should be able to create users in the application.

- Input fields:

  - First Name - Required
  - Last Name - Required
  - Username - Required
  - Display Name - Required
  - Email Address - Required
  - User role - Required
  - Mobile Number - Optional
  - NIC - Optional
  - Password - Required
  - Password Confirmation - Required

- Actions:

  - Save- User should be created.
  - Discard - User details should be reset and it should not be created.

- Conditions:

  - User name cannot be duplicated.

    - Email address cannot be duplicated.
    - The Password should be more than 8 characters.
    - The Password should have at least one uppercase, lowercase and special character.
    - Password should be matched with the confirmed password.

READ

- The administrator should be able to read all users created in the application.
- Columns:
    - First Name
    - Last Name
    - Email Address
    - User Role
    - Status
- Actions:
    - View - Users can be individually read.
    - Edit - User can be updated.
    - Delete - User can be deleted

UPDATE

- The administrator should be able to update a user created in the application.
- Editable fields:
    - First Name - Required
    - Last Name - Required
    - Display Name - Required
    - Email Address - Required
    - User role - Required
    - Mobile Number - Optional
    - NIC - Optional
- Actions:
    - Update - User should be updated.
    - Discard - User should not be updated.
- Conditions:
    - Email address cannot be duplicated.

DELETE

- The administrator should be able to delete users created in the application.
- The administrator should confirm the deletion.
- Actions:
    - Confirm - User should be deleted.
    - Discard - User should not be deleted.
- Conditions:
    - None
- Results (Confirmed deletion)
    - The user cannot access the system in future.
    - The activities performed by the user should be retained in the system.

Acceptance Criteria

Scenario 01: Creating a user

Given- I am in the user configuration page
When- I click on the “Add New” button/ icon
Then- User creation page should be shown.

And- I should be able to add required details

And- I should be able to save the user
OR- I should be able to discard it.

If- I click on “Save”
Then- The user should be saved.

OR If- I click on “Discard”
Then- The user should not be saved.
And- User creation page should be closed.

Scenario 02: Reading users

Given- I am on the user management page.
When- I click on the “user” configuration page
Then- all the created users should be listed.

And- I should be able to edit the users.
And- I should be able to delete the users.

Scenario 03: Updating users

Given- I am reading the created users
When- I click on the “Edit” button/ icon
Then- user edit page should be shown.

And- I should be able to edit the details

And- I should be able to update the user
OR- I should be able to discard it.

If- I click on “Update”
Then- The user should be updated.

OR If- I click on “Discard”
Then- The user should not be updated.
And- User edit page should be closed.

Scenario 04: Deleting a user

Given- I am reading the created users
When- I click on the “Delete” button/ icon
Then- Confirmation message window should be shown

And- I should be able to confirm the deletion
OR- I should be able to discard the deletion

If- I click on “Confirm”
Then- The user should be deleted.

OR If- I click on “Discard”
Then- The user should not be deleted.
And- User confirmation message window should be closed.

User Story ID: US009	**Feature:** User Management
User Story Title: Activate/ Deactivate Users	
User Story: As an administrator, I should be able to activate/ deactivate users So that I can manage users who can log in and not.	
Description <u>**ACTIVATE USERS**</u> ● The administrator should be able to activate users who have been deactivated.	

- The activation of users should be confirmed to proceed.

- Actions:
  - Confirm- User should be activated.
  - Discard - The user should remain deactivated.

- Conditions:
  - The user should be in “Inactive” status to be activated.

- Results (Confirmed activation):
  - The status of the user has to be changed to “Active”.
  - The user should be able to login to the application with the valid credentials.

DEACTIVATE USERS

- The administrator should be able to deactivate users who have been activated.

- The deactivation of users should be confirmed to proceed.

- Actions:
  - Confirm- User should be deactivated.
  - Discard - The user should remain activated.

- Conditions:
  - The user should be in “Active” status to be deactivated.

- Results (Confirmed deactivation)
  - The status of the user has to be changed to “Inactive”.
  - The user should not be able to login to the application even with the valid credentials.

Acceptance Criteria

Scenario 01: Activating a user

Given- I am in the user configuration page
When- I click on the “Change Status” button/ icon of users who are in “inactive” status
Then- the activate confirmation message should be shown

And- I should be able to confirm activation
OR- I should be able to discard activation

If- I click on confirm
Then- The user should be activated.
And- the status of the user should be changed to “Active”
And- The user can login to the application with valid credentials.

OR If- I click on “Discard”
Then- The user should not be activated.
And- the confirmation message window should be closed.
And- the status of the user should be remained “inactive”
And- The user cannot login to the application even with valid credentials.

Scenario 02: Deactivating a user

Given- I am in the user configuration page
When- I click on the “Change Status” button/ icon of users who are in “Active” status
Then- the deactivate confirmation message should be shown

And- I should be able to confirm deactivation
OR- I should be able to discard deactivation

If- I click on confirm
Then- The user should be deactivated
And- the status of the user should be changed to “Inactive”
And- The user cannot login to the application even with valid credentials.

OR If- I click on “Discard”
Then- The user should not be deactivated.
And- the confirmation message window should be closed.
And- the status of the user should be remained “active”
And- The user can login to the application even with valid credentials.

User Story ID: US010	**Feature:** User Management
User Story Title: Change Password	
User Story: As an administrator, I should be able to change password of users So that I can change password of users whenever necessary	
Description ● The administrator should be able to change the password of the user.	

- Input fields to change password:
    - Current Password - Required
    - New Password - Required
    - Password Confirmation - Required

- Actions:
    - Update- The password should be updated
    - Discard - The user should not be updated.

- Conditions:
    - The new password should be more than 8 characters.
    - The new password should have at least one uppercase, lowercase and special character.
    - The new password should be matched with the confirmed password.

- Results (Confirmed update)
    - The user should be able to login with the newly updated password.

Acceptance Criteria

Scenario 01: Changing Password

Given- I am in the user update page
When- I click on the "Change Password" button/ icon
Then- I can enter details to change the password.

And- I should be able to update the changes.
OR- I should be able to discard the changes.

If- I update
Then- The password should be changed.
And- The user should login with the newly updated password

OR If- I click on "Discard"
Then- The password should not be changed.

User Story ID: US011	**Feature:** Customer Management

User Story Title: View all customers
User Story: As an administrator, I should be able to view all my customers So that I can manage customer and view customer history
Description ● The administrator should be able to view all registered customers in the application. ● Columns: ○ Customer Name ○ Mobile Number ● Actions: ○ View - The customer job history can be viewed
Acceptance Criteria **Scenario 01: View all customers** **Given-** I am in the homepage **When-** I click on the “Customers” menu **Then-** I can view all my registered customers. **And-** I should be able to view the customer job history of a customer.

User Story ID: US012	**Feature:** Customer Management
User Story Title: View customer job history	
User Story: As an administrator, I should be able to view job history of a customer So that I can see all the jobs that have been done to the customer.	
Description	

- The administrator should be able to view the job history of the customer.
- Columns:
  ○ Job ID
  ○ Job Token Number
  ○ Job Created Date
  ○ Job Type
  ○ Job Started Date & Time
  ○ Job Completed Date & Time
  ○ Job Amount

Acceptance Criteria **Scenario 01: View customer job history** **Given-** I am in the “Customers” menu **When-** I click on the name of a customer **Then-** I can view the job history of the customer.

User Story ID: US013	**Feature:** Job Creation and Management
User Story Title: Creating a job	
User Story: As an administrator, I should be able to create a job So that I can create new jobs arise in my organization	

Description
 	
- The administrator should be able to create a job in the application
- Automatic fields to capture:
  ○ Job ID
  ○ Job Token Number
- Input fields:
  ○ Customer Mobile Number - Required
  ○ Customer Name - Optional
  ○ Client Type - Required
  ○ Job Type - Required	

    - Designer - Required
    - Design Send Option - Required

- Actions:

    - Save- The job should be created
    - Save & Print - The job should be created and the job token should be printed.
    - Discard - The job should not be created

- Conditions:

    - All created client types should be shown in the client type selection list.
    - All created job types should be shown in the job type selection list.
    - All the active users with the designer permissions allowed, should be shown in the designer selection list.
    - The "Inactive" users should not be shown in the designer selection list.
    - All created send options should be shown in the design send option selection list.

- Results (Confirmed save)

    - The job should be added to the administrator job board.

    - The administrator dashboard item - number of in queue jobs should be updated
    - The designer dashboard item - assigned jobs should be updated

- Results (Confirmed save and print)

    - The job token should be auto printed.
    - The job should be added to the administrator job board.
    - The administrator dashboard item - number of in queue jobs should be updated
    - The designer dashboard item - assigned jobs should be updated

Acceptance Criteria

Scenario 01: Creating a job

Given- I am in the homepage of the application
When- I click on "New job"
Then- Job creation page should be shown.

And- I should be able to add required details to create a job

And- I should be able to save the job
OR- I should be able to discard it.

If- I click on "Save"
Then- The job should be saved.
And- The job should be added to the administrator job board.
And- The administrator dashboard item - number of in queue jobs should be updated
And- The designer dashboard item - assigned jobs should be updated

OR If- I click on “Save & Print”
Then- The job should be saved.
And- The job token should be printed.
And- The job should be added to the administrator job board.
And- The administrator dashboard item - number of in queue jobs should be updated
And- The designer dashboard item - assigned jobs should be updated.

OR If- I click on “Discard”
Then- The job should not be saved.
And- The job creation page should be closed.

User Story ID: US014	**Feature:** Job Creation and Management
User Story Title: View administrator job board	
User Story: As an administrator, I should be able to view the job board So that I can manage and monitor jobs in my organization	

Description

- The administrator should be able to view the administrator job board
- The administrator job board should show all types of below jobs separated by status columns.
  - In Queue Jobs - The jobs which have not been started by the designer (Status : In Queue) and the jobs skipped by the designer. (Status : Not Assigned)
  - In Progress Jobs - The jobs which have been started by the designer. (Status : In Progress) and the jobs paused by the designer (Status : Paused)
  - Billed Jobs - The jobs which have been completed and billed by the designer. (Status : Billed)
  - Done Jobs - The jobs which have been paid by the administrator. (Status : Done)
- The administrator job board shows jobs that are created for the current month by default.
- Filter options:

○ Filter jobs by date range ● Search option: ○ Job ID ○ Job Token Number ● Columns: ○ Job Created Date ○ Job ID ○ Job Token Number ○ Client Mobile Number ○ Designer ○ Job Type ○ Design Send Option ● Actions: ○ Update- The administrator can update job details.
Acceptance Criteria **Scenario 01: Viewing administrator job board** **Given-** I am in the homepage of the application **When-** I click on “Job Board” **Then-** Administrator job board should be shown. **And-** I should be able to view all types of jobs separated by status columns **And-** I should be able to view all jobs for the current month by default. **And-** I should be able to filter jobs by date range. **And-** I should be able to search jobs by job ID **And-** I should be able to search jobs by Job token number. **And-** I should be able to update jobs.

User Story ID: US015	**Feature:** Job Creation and Management
User Story Title: Update Job	
User Story: As an administrator I should be able to update a created job.	

So that I can update if there are any changes in the job details.
Description ● The administrator should be able to update the job details. ● Editable fields: ○ Customer Mobile Number - Required ○ Customer Name - Optional ○ Client Type - Required ○ Job Type - Required ○ Designer - Required ○ Design Send Option - Required ● Actions: ○ Update- The job details should be updated ○ Discard - The job details should not be updated. ● Conditions: ○ In Queue Jobs - All the editable fields can be updated. ○ In Progress Jobs - All the editable fields excluding Designer field, can be updated. ○ Billed Jobs - All the editable fields excluding Designer field, can be updated. ○ Done Jobs - All the editable fields excluding Designer field, can be updated.
Acceptance Criteria **Scenario 01: Update job** **Given-** I am in the administrator job board **When-** I click on the edit icon/ button of a job **Then-** The edit job page should be shown **And-** I should be able to edit all the editable fields of In Queue Jobs **And-** I should be able to edit editable fields excluding designer fields of In Progress Jobs **And-** I should be able to edit editable fields excluding designer fields of Billed Jobs **And-** I should be able to edit editable fields excluding designer fields of Done Jobs **And-** I should be able to update the job **OR-** I should be able to discard it. **If-** I click on “Update” **Then-** The job should be updated. **OR If-** I click on “Discard” **Then-** The job should not be updated.

User Story ID: US016	Feature: Invoice & payments

User Story Title: Cancel job

User Story:

As an administrator

I should be able to cancel an in queue job

So that I can cancel the job if necessary before the job is started by the designer.

Description

- The administrator should have an option to cancel an in queue job.
- The administrator should confirm to cancel the in queue job.
- Actions:
    - Confirm - The job should be canceled.
    - Discard - The job should not be canceled.
- Conditions:
    - The job should be in queue status or not assigned status
- Results (Confirmed cancelation)
    - The status of the job should be changed to “canceled”
    - The job should be retained and hidden in the administrator in queue job board.
    - The administrator dashboard item - number of in queue jobs should be updated
    - The designer dashboard item - assigned jobs should be updated

Acceptance Criteria

Scenario 01: Cancel a in queue job

Given- I am in the administrator job board
When- I click on the cancel icon/ button of a job which is in “In Queue” Status
OR if- I click on the cancel icon/ button of a job which is in “Not Assigned” Status

Then- Confirmation message window should be shown

And- I should be able to confirm the cancellation
OR- I should be able to discard the cancellation

If- I click on “Confirm”

Then- The job should be canceled.
And- The status of the job should be changed to canceled.
And- The administrator dashboard item - number of in queue jobs should be updated.
And- The designer dashboard item - assigned jobs should be updated.
And- The job should be retained and hidden in the administrator in queue job board.

OR If- I click on "Discard"
Then- The job should not be canceled.
And- confirmation message window should be closed.

User Story ID: US017	**Feature:** Advertisement Management
User Story Title: Upload advertisement materials	
User Story: As an administrator I should be able to upload advertisement materials So that I can see the list of advertisement materials to display in the external displaying device.	
Description ● The administrator should be able to upload advertisement materials from the device (PC) ● Advertisement materials formats: ○ JPEG ○ JPG ○ PNG ○ MP4 ○ AVI ● Actions: ○ Upload : The selected file should be uploaded to the application ● Results (Uploaded): ○ The uploaded advertisement materials should be listed in the application. ○ The latest uploaded advertisements should be shown on top of the list of advertisement materials. ○ The uploaded advertisement can be enabled to be displayed ○ The uploaded advertisement can be deleted.	
Acceptance Criteria **Scenario 01: Upload advertisement material**	

Given- I am in the Manage advertisements page
When- I click on “Add Advertisement” button/ icon
Then- I should be able to choose file from my PC

And- I should be able to upload the selected file to the application.

And- The uploaded advertisement should be listed in the application
And- I can delete the uploaded advertisement material.
And- I can enabled to display the uploaded advertisement material in the displaying device

User Story ID: US018	**Feature:** Advertisement Management
User Story Title: Enable/ disable advertisement materials	
User Story: As an administrator I should be able to enable/ disable advertisement materials So that I can choose to display the advertisement materials in the external displaying device.	
Description ● The administrator should be able to enable/ disable advertisement materials. ● The enabled advertisement materials should be displayed in the external displaying device. ● The disabled advertisement materials should not be displayed in the external displaying device.	
Acceptance Criteria **Scenario 01: Enable advertisement materials** **Given-** I am in the Manage advertisements page **When-** I enable a advertisement material **Then-** The advertisement material should be displayed in the external displaying device. **Scenario 02: Disable advertisement materials** **Given-** I am in the Manage advertisements page **When-** I disable a advertisement material **Then-** The advertisement material should not be displayed in the external displaying device.	

User Story ID: US019	**Feature:** Advertisement Management
User Story Title: Delete advertisement materials	

User Story:

As an administrator

I should be able to delete an uploaded advertisement materials

So that I can delete the advertisement materials if necessary.

Description

- The administrator should be able to delete uploaded advertisement materials.
- The administrator should confirm to delete an uploaded advertisement material.
- Actions:
  - Confirm - The advertisement material should be deleted
  - Discard - The advertisement material should not be deleted.
- Results (Confirmed deletion) :
  - The advertisement material should be deleted and removed from the list of uploaded advertisement materials.
- Condition:
  - None

Acceptance Criteria

Scenario 01: Delete advertisement materials

Given- I am in the Manage advertisements page
When- I click on a “Delete” icon/button of a advertisement material
Then- The confirmation message window should be shown

And- I should be able to confirm it
OR- I should be able to discard it.

If- I click on “Confirm”
Then- The advertisement material should be deleted.

If- I click on “discard”
Then- The advertisement material should not be deleted.

<table>
<tr><td>User Story ID: US020</td><td>Feature: Dashboard</td></tr>
<tr><td colspan="2">User Story Title: Dashboard item - No of invoices</td></tr>
<tr><td colspan="2">User Story:

As an administrator

I should have a dashboard item to view number of invoices on the current day

So that I can view the number of invoices created on the current day</td></tr>
<tr><td colspan="2">Description

● The administrator should have a dashboard item to view number of invoices created on the current day

● The count of invoices created on the current day should be shown.</td></tr>
<tr><td colspan="2">Acceptance Criteria

Scenario 01: Viewing number of invoices dashboard item

Given- I am in the dashboard of the application

And - I should be able to view the number of invoices dashboard item

And- The number of invoices created today should be shown in the dashboard item.</td></tr>
</table>

<table>
<tr><td>User Story ID: US021</td><td>Feature: Dashboard</td></tr>
<tr><td colspan="2">User Story Title: Dashboard item - Total Sales</td></tr>
<tr><td colspan="2">User Story:

As an administrator

I should have a dashboard item to view total sales value of the current day

So that I can view the total value of sales of jobs completed for the current day in my organization.</td></tr>
<tr><td colspan="2">Description

● The administrator should have a dashboard item to view total sales value of jobs completed on the current day</td></tr>
</table>

• The total sales value of all the jobs completed on the current day should be shown.
Acceptance Criteria **Scenario 01: Viewing total sales dashboard item** **Given-** I am in the dashboard of the application **And -** I should be able to view the total sales dashboard item **And-** The total sales value of all jobs completed today should be shown in the dashboard item.

User Story ID: US022	**Feature:** Dashboard
User Story Title: Dashboard item - In Progress Jobs of designers	
User Story: As an administrator I should have a dashboard item to view the in progress job token number of each designer user. So that I can get to know the job token number of the in progress job of each designer user.	

Description
 	
• The administrator should have a dashboard item to view the in progress job token number of each active designer user.
 	
• Details to show:
  ○ Designer Display Name
  ○ In progress Job Token Number of the active designer user.
 	
• Conditions:
 	
  ○ The designer user should not be shown in the dashboard item If the user status is “Inactive”.
 	
  ○ The designer user should be shown even if there is no in progress job for the designer user.	

Acceptance Criteria	

Scenario 01: Viewing in progress job dashboard item **Given-** I am in the dashboard of the application **And -** I should be able to view the in progress job of designers dashboard item **And-** The in progress job token number of each active designer user should be shown in the dashboard item. **And if-** The user status is “Inactive” of the designer user **Then-** The designer user should not be shown in the dashboard item. **And if-** There is no in progress job for the designer user **Then-** The designer user should be shown in the dashboard item. **And-** The job token number value should be shown as N/A

<table>
<tr><td>User Story ID: US023</td><td>Feature: Dashboard</td></tr>
<tr><td colspan="2">User Story Title: Dashboard item - Number of in queue jobs</td></tr>
<tr><td colspan="2">User Story:

As an administrator

I should have a dashboard item to view the number of in queue jobs of each designer user.

So that I can get an idea to whom I should assign a new job and the number of in queue jobs of each designer user.</td></tr>
<tr><td colspan="2">Description

● The administrator should have a dashboard item to view the number of in queue jobs of each designer user.

● Details to show:
    ○ Designer Display Name
    ○ Number of in queue jobs of the active designer user.

● Conditions:

    ○ The designer user should not be shown in the dashboard item If the user status is “Inactive”.

    ○ The designer user should be shown even if there is no any in queue jobs for the designer user.</td></tr>
<tr><td colspan="2">Acceptance Criteria</td></tr>
</table>

Scenario 01: Viewing number of in queue jobs dashboard item

Given- I am in the dashboard of the application

And - I should be able to view the in number of in queue jobs dashboard item

And- The number of in queue jobs of each active designer user should be shown in the dashboard item.

And if- The user status is “Inactive” of the designer user
Then- The designer user should not be shown in the dashboard item.

And if- There is no any in queue jobs for the designer user
Then- The designer user should be shown in the dashboard item.
And- The job token number value should be shown as 0.

User Story ID: US024	**Feature:** Dashboard
User Story Title: Dashboard item - List of billed jobs	
User Story: As an administrator I should have a dashboard item to view all the billed jobs. So that I can invoice and complete the job.	
Description ● The administrator should have a dashboard item to view the list of all billed jobs. ● Columns: ○ Job Created Date ○ Job ID ○ Job Token Number ○ Invoice Number ○ Client Mobile Number ○ Designer ○ Job Type ● Search options: ○ Job ID ○ Job Token Number ○ Invoice Number ○ Client Mobile Number ● Actions:	

○ Pay - The administrator can collect payment of the billed job.
Acceptance Criteria **Scenario 01: Viewing billed jobs dashboard item** **Given-** I am in the dashboard of the application **And -** I should be able to view all the billed jobs in the dashboard item **And-** I can collect payment for a billed job. **And -** I can search a billed job by Job ID **And -** I can search a billed job by Job Token Number **And -** I can search a billed job by invoice number **And -** I can search a billed job by client mobile number

User Story ID: US025	**Feature:** Payments
User Story Title: Collect payment of job	
User Story: As an administrator I should be able to collect payment of billed jobs So that I can mark the job has been done and can collect the payment of the job.	
Description ● The administrator should have an option to collect payment of the “Billed” job. ● The administrator should be able to view the job details and the services added when collecting payment. ● Job Details: ○ Customer Mobile Number ○ Customer Name ○ Client Type ○ Job Type ○ Designer ● Service Details: ○ Service Name ○ Quantity ○ Service Rate ○ Total	

- The administrator should not be able to edit service details added by the designer.
- The administrator should not be able to remove services added by the designer.
- The administrator should be able to add more services to the job when collecting payment.
- Input Fields to add a service:
    - Service Name - Required
    - Quantity - Required
    - Service Rate - Auto captured. Can edited
    - Total - Auto Calculated
- The administrator should be able to remove the additional services added by the administrator before proceeding.
- The administrator should be able to select a payment method.
- Payment method options:
    - Cash
    - Bank Transfer
    - Cheque
- The administrator should be able to confirm and proceed.
- Actions:
    - Confirm & Proceed - The job should be completed and paid
    - Discard - The job should not be completed and paid.
- Conditions:
    - The job should be in “Billed” status to be paid.
    - The services added by the designer cannot be edited and removed.
    - The additional services added by the administrator can be edited and removed before proceeding.
    - Default service rate should be auto captured for the added service.
    - Service rate can be edited.
    - Service rate can be equal or greater than 0
- Results:
    - The job should be paid
    - The invoice should be printed
    - The status of the job should be changed to “Done”
    - The job should be moved to the done list in the administrator job board.
    - The payment status should be changed to “Paid” in the invoice report.

Acceptance Criteria

Scenario 01: Complete and collect payment of a job

Given- I am in the list of billed jobs - dashboard item
When- I click on the “Pay” icon/ button of a “Billed” job
Then- The payment page should be shown

And- I should be able to view the job details
And- I should be able to view the serviced added by the designer
And- I should be able to add additional services.
And- I should be able to edit services added additionally
And- I should be able to remove services added additionally

And- I should be able to select a payment method from a list of options.

And- I should be able to confirm and proceed.
OR- I should be able to discard it.

If- I click on “Confirm & proceed”
Then- The job should be paid

And- The invoice should be printed
And- The status of the job should be changed to “Done”
And- The job should be moved to the done list in the administrator job board.
And- The payment status should be changed to “Paid” in the invoice report.

OR If- I click on “Discard”
Then- The job should not be paid.

User Story ID: US026	**Feature:** Payments
User Story Title: Print Invoice	
User Story: As an administrator I should be able to print the invoice of the job So that I can provide a hardcopy of the invoice to the customer.	
Description ● The invoice should be printed automatically once the job is paid. ● Invoice details to be shown in the invoice: ○ Customer Mobile Number ○ Invoice Number ○ Invoice Date	

- Service Details to be shown in the invoice:
    - Item : Service Name
    - QTY : Quantity
    - Price : Service Rate
    - Total : Total
    - Grand Total : Total sum of total

- The header and footer details should be printed in the invoice.

- Conditions:
    - The invoice should be automatically printed once the job is paid without any manual command.

Acceptance Criteria

Scenario 01: Print invoice

Given- I am in the payment page
When- I click on "Confirm & Proceed" the invoice
Then- The invoice should be automatically printed with required details

And- I should be redirected to the list of billed jobs dashboard item.

User Story ID: US027	**Feature:** Reports
User Story Title: View Invoice Report	
User Story: As an administrator I should be able to view the invoice report So that I can get the list of invoices created in the organization	

Description

- The administrator should be able to generate an invoice report.
- Column details to be shown in the report:
    - Date - Job created date

- Invoice - Invoice Number
- TN - Job Token Number
- Duration - Time duration of the job
- Invoice Time - Time of job billed and invoiced.
- End Time - Time of job completed and paid
- Number - Client Mobile Number
- Assign To - Display name of the assigned designer for the job.
- Total - Total paid amount
- Paid with - Selected payment method
- Status - Payment Status of the invoice (Paid OR Unpaid)

- Filter options
  - Date Filter Options
    - Today - All the invoices recorded on the current day should be shown.
    - This Month - All the invoices recorded in the current month should be shown.
    - Last Month - All the invoices recorded in the previous month should be shown.
    - This Year - All the invoices recorded in the current year should be shown.
    - Last Year - All the invoices recorded in the previous year should be shown.
  - Keyword Filter Options
    - Date
    - Invoice
    - TN
    - Duration -
    - Invoice Time
    - End Time
    - Number
    - Total
    - Paid with
    - Status
  - Payment Status Filter options
    - Paid
    - Unpaid
  - Payment method filter options
    - Cash
    - Bank Transfer
    - Cheque

- Sort Options - Following columns can be sorted Ascending to Descending OR Descending to Ascending order.
  - Date

- Invoice
- TN
- Duration
- Invoice Time
- End Time

- Actions:

    - Complete - The administrator can complete unpaid invoices (Jobs in “billed” status) - (As defined in the user story : US025)

    - Export - The administrator can export the report to excel format.

    - View Dashboard Item- The administrator can view the report dashboard items.

Acceptance Criteria

Scenario 01: View Report

Given- I am in the homepage/ dashboard of the application
When- I click on “Invoice Report”
Then- I Should view the invoice report as required.

And- I should be able to filter the report by date filter options.
And- I should be able to filter the report by keyword filter options.
And- I should be able to filter the report by payment status filter options.
And- I should be able to filter the report by payment method filter options.

And- I should be able to sort the required columns from ascending to descending order.
And- I should be able to sort the required columns from descending to ascending order.

And- I should be able to complete unpaid invoices (Billed jobs)

And- I should be able to export the report to excel format.

And- I should be able to view the report dashboard item.

User Story ID: US028	**Feature:** Reports
User Story Title: View report dashboard item	
User Story: As an administrator I should be able to view the report dashboard item. So that I can get an invoice insight based on report filters.	
Description	

- The administrator should be able to view report dashboard items.
- The administrator should be able to view the following report dashboard items in the invoice report page.
    - Total Sales
    - Number of Invoices
- The value in the dashboard item should be shown as per the selected date filter option in the report.
- Date Filter Options
    - Today - Total sales value and number of invoices as per the current date should be shown.
    - This Month - Total sales value and number of invoices as per the current month should be shown.
    - Last Month - Total sales value and number of invoices as per the previous month should be shown.
    - This Year - Total sales value and number of invoices as per the current year should be shown.
    - Last Year - Total sales value and number of invoices as per the previous year should be shown.

Acceptance Criteria

Scenario 01: View report dashboard item

Given- I am in the invoice report page
When- I select an option in the date filter
Then- the total sales dashboard item should be updated as per the selected date filter option.

And- the number of invoices dashboard item should be updated as per the selected date filter option.

User Story ID: US029	**Feature:** Reports
User Story Title: Export report	
User Story: As an administrator	

I should be able to export invoice report to excel format So that I can download and view the report in excel format if necessary.
Description ● The administrator should be able to export the invoice report to excel format. ● The report should be auto downloaded in the excel format. ● Conditions: ○ Filters should be considered when exporting
Acceptance Criteria **Scenario 01: Export report** **Given-** I am in the invoice report page **When-** I select an option to export **Then-** the invoice report should be exported **And-** Auto downloaded. **If-** I have applied any filters to the report **And-** export **Then-** the exported report should be shown only with the filtered records.

User Story ID: US030	**Feature:** Dashboard
User Story Title: Dashboard item - In Progress Job	
User Story: As a designer, I should have a dashboard item to view the in progress job of mine So that I can manage and update the in progress job.	
Description	

- The designer should be able to view the in progress job of the designer.
- The job duration timer should be shown in the dashboard item.
- The in progress job details should be shown in the dashboard item.
- Job Details:
    - Job ID
    - Token Number - Job token number
    - Client Number - Client mobile number
    - Job Type
    - Design Sent - Design send option
    - Started Time - Job started time
- Actions:
    - Complete - Job completion page should be shown (User Story - US037)
    - Pause - Job should be paused. (User Story - US035)

Acceptance Criteria

Scenario 01: View In progress job dashboard item

Given- I am in the dashboard/ homepage of the application
When- I go to "In Progress" dashboard item
Then- The in progress job detail should be shown.

And- Job duration timer should be shown

And- I should be able to complete the job.
And- I should be able to pause the job.

User Story ID: US031	**Feature:** Dashboard
User Story Title: Dashboard item - Assigned Jobs	

User Story:

As a designer,

I should have a dashboard item to view the assigned jobs

So that I can view and know jobs that are assigned to me

Description

- The designer should be able to view all the jobs that are assigned to himself in the assigned jobs dashboard item.

- Only the jobs which are in queue status should be shown.   - Columns: - Date - Job created date   - Job ID   - Token Number - Job token number   - Client Number - Client mobile number   - Job Type   - Design Sent - Design send option   - Actions: - Skip - Job should be skipped.   - Start - Job should be started.   - Conditions: - Only the jobs which are assigned to the particular designer should be listed.   - Only the jobs which are in queue status should be listed.
Acceptance Criteria **Scenario 01: View Assigned Jobs dashboard item** **Given-** I am in the dashboard/ homepage of the application **When-** I go to “Assigned Jobs” dashboard item **Then-** All the jobs that are assigned to me should be shown with the details. **And-** I should be able to skip a job. **And-** I should be able to start a job.

User Story ID: US032	**Feature:** Job management
User Story Title: Skip an assigned jobs	
User Story: As a designer, I should be able to skip jobs that are assigned to me So that the administrator can assign the job to other designers.	
Description - The designer should be able to skip an assigned job that is in “In Queue” Status. - Actions: - Confirm - Job should be skipped.	

○ Discard - Job should not be skipped ● Conditions: ○ Only the jobs which are in queue status should be skipped. ● Results: ○ The designer should be deassigned once the job is skipped. ○ The skipped job should be removed from the designer dashboard item - assigned jobs ○ The status of the job should be changed to “Not Assigned” ○ The job should be shown in the queue list of the administrator job board. ○ The admin dashboard item - number of in queue job tokens of designers should be updated
Acceptance Criteria **Scenario 01: Skip an assigned job** **Given-** I am in the assigned jobs page **When-** I click on “Skip” option of a job **Then-** the skipping confirmation message window should be shown. **And-** I should be able to confirm to skip **OR-** I should be able to discard to skip **If-** I have confirmed to skip the job **Then-** The designer should be deassigned from the job. **And-** The skipped job should be removed from the designer dashboard item - assigned jobs. **And-** The status of the job should be changed to “Not Assigned” **And-** The job should be shown in the queue list of the administrator job board. **And-** The admin dashboard item - number of in queue job tokens of designers should be updated **If-** I have discarded to skip the job **Then-** The job should not be skipped. **And-** The confirmation message window should be closed.

User Story ID: US033	**Feature:** Job management
User Story Title: Start job	
User Story: As a designer, I should be able to start a job So that I can update the job that I am working on.	

Description

- The designer should be able to start an assigned job that is in “In Queue” Status.
- Conditions:
  - The designer should start the job in the assigned order. The oldest assigned job should be started.
  - The designer cannot start a job when another job is in progress. The in progress job should be completed and invoiced to start a new job.
- Actions:
  - Start - The job should be started
- Results:
  - The job timer should be started when the job has been started.
  - The start time of the job should be captured.
  - The status of the job should be changed to “In Progress”
  - The job should be moved to the “In Progress” column in the administrator job board.
  - The admin dashboard item - In Progress Jobs of designers should be updated.
  - The admin dashboard item - Number of in queue jobs should be updated
  - The designer dashboard item - In Progress Job should be updated.
  - The designer dashboard item - Assigned jobs should be updated.
  - The started job should be shown in the external display of the dashboard. (User Story - US033)

Acceptance Criteria

Scenario 01: Start a job

Given- I am in the assigned jobs page
When- I click on “Start” option of a job

And If- there is no any previous assigned job in queue

And If- there is no in progress job for me

Then- the job should be started.

And- The job timer should be started.

And- The start time of the job should be captured.

And- The status of the job should be changed to “In Progress”.

And- The job should be moved to the “In Progress” list in the administrator job board.

And- The admin dashboard item - In Progress Jobs of designers should be updated.

And- The admin dashboard item - Number of in queue jobs should be updated

And- The designer dashboard item - In Progress Job should be updated.

And- The designer dashboard item - Assigned jobs should be updated.

And- The started job should be shown in the external display of the dashboard.

User Story ID: US034	**Feature:** Job management

User Story Title: Show in progress job in the external displaying device

User Story:

As a designer,

I should be able to display my in progress job in the external displaying device

So that I can show to the customers which job that I am working on.

Description

- The job token number of the in progress job of the designer should be auto displayed in the relevant external displaying device.
- The job token number should be updated in the external displaying device once the job has been started.
- The job token number should be removed from the external displaying device once the job has been completed and invoiced.

Conditions:

- The in progress job should be shown on the relevant designer’s displaying device.

Acceptance Criteria

Scenario 01: Showing the in progress job in the external displaying device

Given- I am in the assigned jobs page

When- I click on “Start” option of a job

Then - the job token number of the in progress job should be shown on my external displaying device.

And If - I complete and invoice the job

Then - the job token number of the job should be removed from my external displaying device.

User Story ID: US035	**Feature:** Job management
User Story Title: Pause Jobs	
User Story: As a designer, I should be able to pause the in progress job So that I can temporarily stop working on the job if necessary	

Description
 	
● The designer should be able to pause a job that is in progress.
● Conditions:
    ○ The job status should be “in progress”
● Actions:
    ○ Pause- The job should be paused
● Results:
    ○ The job timer should be paused.
    ○ The paused time of the job should be captured.
    ○ The status of the job should be changed to “Paused”
    ○ The job should be retained in the “In Progress” list in the administrator job board.
    ○ Resume Job option should become available.	

Acceptance Criteria **Scenario 01: Pausing a job** **Given-** I am in the in progress dashboard item of designer **When-** I click on “Pause” option of an in progress job **Then -** the job should be paused. **And -** the job timer should be paused. **And -** The paused time of the job should be captured. **And -** The status of the job should be changed to “Paused”. **And -** The job should be retained in the “In Progress” list in the administrator job board. **And -** Resume Job option should become available in the dashboard item

User Story ID: US036	**Feature:** Job management
User Story Title: Resume Jobs	
User Story: As a designer, I should be able to resume the paused job. So that I can resume working on the paused job.	
Description ● The designer should be able to resume a job that is paused. ● Conditions: ○ The job status should be “Paused” ● Actions: ○ Resume - The job should be resumed ● Results: ○ The job timer should be resumed.	

- The resumed time of the job should be captured.
- The duration of the paused session should be captured
- The status of the job should changed to “In Progress”
- Resume Job option should not be available.

- Calculations:
    - Duration of a paused session = (Job Resumed time - Job paused time)

      (Eg: job paused session 01 time 9.30 am, job resumed session 01 time 9.35 am, job paused session 02 time 9.45 am, job resumed session 02 time 09.55 am)

      Duration of a paused session 01 = (09.35 - 09.30)
      = 05 min

      Duration of a paused session 02 = (09.55 - 09.45)
      = 10 min

Acceptance Criteria

Scenario 01: Resuming a job

Given- I am in the in progress dashboard item of designer

When- I click on “Resume” option of a paused job

Then - the job should be resumed.

And - the job timer should be resumed.

And - The resumed time of the job should be captured.

And - The duration of the paused session should be captured.

And - The status of the job should be changed to “In Progress”.

And - The job should be retained in the “In Progress” list in the administrator job board.

And - Resume Job option should not be available in the dashboard item

User Story ID: US037	**Feature:** Job management

User Story Title: Complete Job

User Story:

As a designer,

I should be able to complete the in progress job.

So that I can finish the in progress job and invoice it.

Description

- The designer should be able to complete a job that is in progress.
- The job details should be shown in the job completion page.
- Job Details:
  - Customer Mobile Number
  - Customer Name
  - Client Type
  - Job Type
  - Designer
- The designer should be able to add services to complete a job.
- Service Input fields:
  - Service
  - Quantity - Required
  - Service Rate - Auto captured. Can be edited. Required
  - Total - Auto calculated
- The designer should be able to edit the services added to the job before confirming completion.
- The designer should be able to remove the services added to the job before confirming completion.
- Conditions:
  - The job status should be “In Progress”.
  - Default service rate should be auto captured for the added service.
  - Service rate can be edited.
  - Service rate can be equal or greater than 0
- Actions:

- Confirm- The job should be completed
- Confirm and Next - The job should be completed and The next job in queue should be started.
- Discard - The job should not be completed

- Calculations:

    - Service total = Quantity X Service Rate

    - Duration of a job = (Job complete time - Job start time) - (Duration of Job paused sessions)

      (Eg: job start time 9.00am, job complete time 10.00 am, job paused session 01 time 9.30 am, job resumed session 01 time 9.35 am, job paused session 02 time 9.45 am, job resumed session 02 time 09.55 am)

      Duration of a job = (10.00 - 09.00) - (05 min) - (10 min)
      = 60 min - 05 min - 10 min
      = 45 min

- Results (Confirm action)

    - The job timer should be stopped

    - The completed time of the job should be captured.

    - The duration of the job should be captured.

    - An invoice should be generated.

    - The invoice should be recorded in the invoice report.

    - The status of the job should changed to “Billed”

    - The job should be moved to the “Billed” list in the administrator job board.

    - The admin dashboard item - Number of invoices should be updated.

    - The admin dashboard item - Total sales should be updated.

    - The admin dashboard item - list of billed jobs should be updated

    - The admin dashboard item - In Progress Jobs of designers should be updated.

    - The designer dashboard item - In Progress Job should be updated.

- Results (Confirm and next action)

    - The job timer should be stopped

    - The completed time of the job should be captured.

    - The duration of the job should be captured.

- An invoice should be generated.
- The invoice should be recorded in the invoice report.
- The status of the job should changed to “Billed”
- The job should be moved to the “Billed” list in the administrator job board.
- The admin dashboard item - Number of invoices should be updated.
- The admin dashboard item - Total sales should be updated.
- The admin dashboard item - list of billed jobs should be updated
- The admin dashboard item - In Progress Jobs of designers should be updated.
- The designer dashboard item - In Progress Job should be updated.
- The designer dashboard item - Assigned Jobs should be updated.
- The next job in the in queue list of the designer should be started.

Acceptance Criteria

Scenario 01: Completing a job

Given- I am in the in progress dashboard item of designer

When- I click on “Complete” option of an in progress job

Then - the job completion page should be shown

And - I should be able to add services.

And - I should be able to edit added services.

And - I should be able to remove added services.

And- I should be able to confirm
OR- I should be able to discard it.

If- I click on “Confirm”
Then- The job should be completed.

And- The job timer should be stopped
And- The completed time of the job should be captured.
And- The duration of the job should be captured.
And- An invoice should be generated.
And- The invoice should be recorded in the invoice report.
And- The status of the job should changed to “Billed”
And- The job should be moved to the “Billed” list in the administrator job board.
And- The admin dashboard item - Number of invoices should be updated.

And- The admin dashboard item - Total sales should be updated.
And- The admin dashboard item - list of billed jobs should be updated
And- The admin dashboard item - In Progress Jobs of designers should be updated.
And- The designer dashboard item - In Progress Job should be updated.

OR If- I click on “Discard”
Then- The job should not be completed.

Scenario 02: Completing and starting next job

Given- I am in the job completion page

When- I click on “Complete and next”

Then- The job should be completed.

And- The job timer should be stopped
And- The completed time of the job should be captured.
And- The duration of the job should be captured.
And- An invoice should be generated.
And- The invoice should be recorded in the invoice report.
And- The status of the job should changed to “Billed”
And- The job should be moved to the “Billed” list in the administrator job board.
And- The admin dashboard item - Number of invoices should be updated.
And- The admin dashboard item - Total sales should be updated.
And- The admin dashboard item - list of billed jobs should be updated
And- The admin dashboard item - In Progress Jobs of designers should be updated.
And- The designer dashboard item - In Progress Job should be updated.
And- The designer dashboard item - Assigned Jobs should be updated.
And- The next job in the in queue list of the designer should be started.

User Story ID: US038	**Feature:** Job Management
User Story Title: View designer job board	
User Story: As a designer, I should be able to view the job board So that I can view the status of jobs that have been assigned to me.	
Description ● The designer should be able to view the designer job board ● The designer job board should show below types of jobs separated by status	

columns.

- Billed Jobs - The jobs which I have completed (Status : Billed)
- Done Jobs - The jobs which have been paid by the administrator. (Status : Done)

- The designer job board shows jobs that are created for the current month by default.
- Filter options:
  - Filter jobs by date range
- Search option:
  - Job ID
  - Job Token Number
- Columns:
  - Job Created Date
  - Job ID
  - Job Token Number
  - Client Mobile Number
  - Invoice Number
  - Job Type
- Actions:
  - Update- The designer can update billed jobs
- Conditions:
  - The jobs which are completed by the particular designer should be shown in the billed column in the designer job board.
  - The jobs which are in "Billed" status should be shown in the billed column in the designer job board.
  - The paid jobs which have been completed by the particular designer should be shown in the done column in the designer job board.
  - The jobs which are in "Done" status should be shown in the done column in the designer job board.

Acceptance Criteria

Scenario 01: Viewing designer job board

Given- I am in the homepage/ dashboard of the application
When- I click on "Job Board"
Then- the designer job board should be shown.

And- I should be able to view billed jobs in a separate column.

And- I should be able to view done jobs in a separate column.

And- I should be able to view jobs for the current month by default.

And- I should be able to filter jobs by date range.

And- I should be able to search jobs by job ID
And- I should be able to search jobs by Job token number.

And- I should be able to update billed jobs.

User Story ID: US039	**Feature:** Job Management
User Story Title: Update Billed Job	

User Story:

As a designer

I should be able to update a billed job.

So that I can update if there are any changes in the billed job.

Description

- The designer should be able to update a billed job.
- The designer can add an additional service to the billed job.
- The designer can remove any already added services.
- The designer can edit any already added services.
- Editable fields of already added service:
  - Service
  - Quantity
  - Service Rate
- Actions:
  - Update- The billed job should be updated
  - Discard - The billed job should not be updated.
- Conditions:
  - The job status should be “Billed”.
- Results (Update action)
  - The job should be updated in the “Billed” list in the designer job board.

- The job should be updated in the "Billed" list in the administrator job board.
- The invoice should be updated in the invoice report.
- The admin dashboard item - Total sales should be updated.
- The admin dashboard item - list of billed jobs should be updated

Acceptance Criteria

Scenario 01: Update billed job

Given- I am in the billed list in the designer job board
When- I click on the edit icon/ button of a billed job
Then- The job completion page should be shown

And- I should be able to add an additional service to the billed job.
And- I should be able to remove any already added services.
And- I should be able to edit any already added services.

And- I should be able to update the billed job
OR- I should be able to discard it.

If- I click on "Update"
Then- The billed job should be updated.

And - The billed job should be updated in the "Billed" list in the administrator job board.
And - The invoice should be updated in the invoice report.
And - The admin dashboard item - Total sales should be updated.
And - The admin dashboard item - list of billed jobs should be updated

OR If- I click on "Discard"
Then- The billed job should not be updated.