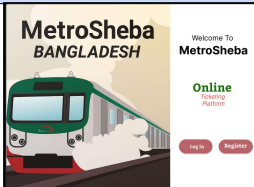

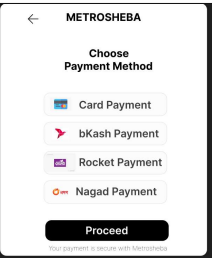
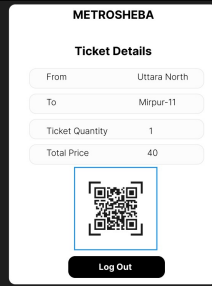
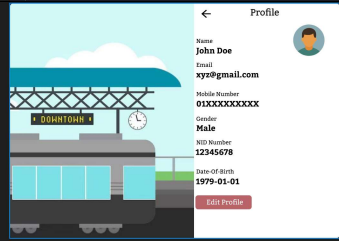
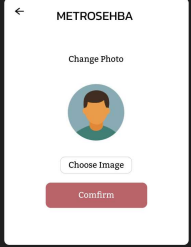
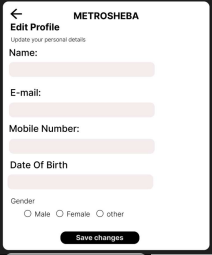
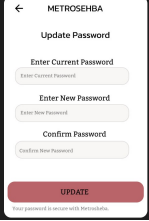


2. Product Requirement Document (PRD) - Version: 1.0

Template Name	MetroSheba
Goals & Objective	<p>To develop a smart and secure website that allows passengers to buy metro tickets online, check schedules, and use QR codes for quick and paperless entry.</p> <p>From this website, users can:</p> <ul style="list-style-type: none"> -Book & Cancel Metro Tickets online easily. -Check station names, routes, schedules, and fare details. -Get digital tickets with QR codes for quick and paperless entry. -Make secure online payments via cards or mobile banking. -Update their profile information like name, email, and contact details.
Client Information	
Product Type	Web Application
Domain	MetroSheba.online
Access Layers	User, admin
Design Required	Yes

Phase	Item No	Specification [Role]	Screen Definition	User Story	Acceptance Criteria	Design	Tags
Feature: 1		Auth Feature					
phase 1	1	choose [admin] [User]	<pre><Form> <button=login> <button=register></pre>	As a user, I want to see login and register buttons so that I can either log in or create an account.	<ul style="list-style-type: none"> - The screen must display two buttons: Login and Register. - When the user taps Login, they are redirected to the Login Page. - When the user taps Register, they are redirected to the Registration Page. - Both buttons must be clearly visible and clickable. - The navigation must work on all supported devices. 		choose
phase 1	2	register [admin] [User]	<pre><Form> <input=name> <input=email> <input=gender> <input=mobile-number> <input=re-password> <input=password> <input=re-password> <input=nid-number> <input=user-type> <input=verification_code> <button=verify> <button=confirm> <link=login></pre>	As a user, I want to register with my personal details (name, email, gender, mobile, password, NID, user type, verification code) so that I can create a secure account.	<ul style="list-style-type: none"> - Name (input) must not be empty, otherwise show "Please enter your name". - Email (input) must be valid and unregistered, otherwise show "Email already used". - Gender (input) must be selected, otherwise show "Please select your gender". - Password (input) must be at least 8 characters long, otherwise show "Invalid password". - Re-password (input) must match the password, otherwise show "Password do not match". - Mobile Number (input) must be valid and numeric, otherwise show "Please enter a valid mobile number". - NID Number (input) must be valid and numeric, otherwise show "Please enter a valid NID number". - User type (input/select) must be selected, otherwise show "Please select a user type". - Verification Code (input) must match the code sent to the user's email, otherwise show "Invalid verification code". - On clicking confirm button, stores credentials, redirects to dashboard, and emails login info if all fields are valid. - Login link redirects the user to the login page 		register

phase 3	7	Payment_Method[user]	<Form> <button=card-payment> <button=bkash-payment> <button=rocket-payment> <button=nagad-payment>	As a user, I want to pay using multiple options (card, bKash, Rocket, Nagad) so that I can complete my purchase easily.	- Card Payment button allows the user to pay using debit/ credit cards. - bKash Payment button allows the user to pay using bKash mobile service. - Rocket Payment button allows the user to pay using Rocket mobile service. - Nagad Payment button allows the user to pay using Nagad mobile service.		Payment
Feature: 5		Ticket Details & QR					
phase 2	8	Ticket_Details[user]	<Form> <display=from-station> <display=to-station> <display=ticket-quantity> <display=ticket-price> <display=qr-code> <button=back-to-login>	As a passenger, I want to see my ticket details and get a QR code so that I can quickly enter the metro without a paper ticket.	- From Station must display the departure station from the database. - To Station must display the destination station from the database. - Ticket Quantity must display the number of tickets booked. - Total Price must display the correct total based on ticket quantity and fare. - QR Code must be automatically generated and scannable at the metro entry. - Back to Login button must redirect the user to the Login Page.		Ticket_Details
Feature: 6		Profile					
phase 1	9	View Profile[admin][user]	<table> Name Email Phone Date of Birth gender edit profile	As a user, I want to view my profile details so that I can confirm my information.	- No null values - Edit button should take user to edit profile page		View_Profile
phase 1	10	Change Profile Photo[admin][user]	<table> <current image> <input type="file"> <button = confirm>	As a user, I want to change my profile photo so that my account looks personalized.	- current image/ default image is shown - input file should be an image and not any other format [png/jpg format] - confirm button should redirect user to view profile page		Change_Photo

phase 1	11	Edit Profile[admin][user]	<table> <input = Name > <input = Email > <input = Phone > <date input = Date of Birth > <radio button = gender > <button = save >	As a user, I want to edit my profile information (name, email, phone, DOB, gender) so that my details remain up to date.	- No null values - email should be in correct format [xyz@abc.com] - phone number should be in correct format [11 digits] - date of birth should be in at least 18 years - clicking save button will either prompt with an error if above rules do not meet or a prompt notifying the user about successful change		Edit_Profile
phase 1	12	Change Password[admin][user]	<table> <input type="password"> current password <input type="password"> new password <input type="password"> confirm password <button=change>	As a user, I want to change my password so that I can keep my account secure.	- user can type current password [it should match database password] - Password (input) should be minimum 8 characters long. Otherwise show an invalid message. - Re-password (input) should match password. Otherwise show 'password do not match' message. - On clicking signup button, credential will be stored in database, user will be prompted with a message. [sucessfully changed / something went wrong]		Change_Password

