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

Template Name	MetroSheba
Goals & Objective	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.
	From this website, users can:
	-Book & Cancel Metro Tickets online easilyCheck station names, routes, schedules, and fare details.
	-Get digital tickets with QR codes for quick and paperless entryMake 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
Fea	ture: 1	Auth Feature					
phase :	1 1	choose [admin] [User]	<form> - dbutton=login> - dbutton=register></form>	As a user, I want to see login and register buttons so that I can either log in or create an account.	- The screen must display two buttons: Login and Register When the user traps 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.	MetroSheba BANGLADESH Online Action	choose
phase ·	1 2	register [admin] [User]	<form> <input=name> <input=main> <input=gender> <input=mobile-number> <input=re-password> <input=re-password> <input=re-password> <input=re-password> <input=namer> <input< td=""><td>As a user, I want to register with my personal details (name, email, gender, mobile, password, MD, user type, verification code) so that I can create a secure account.</td><td>- 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 "Please word input) must match the password, otherwise show "Please enter a valid Min build and numeric, otherwise show "Please enter a valid Min bumber". - NID Number (input) must be valid and numeric, otherwise show "Please enter a valid Min bumber". - 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</td><td>BANGLADESH Faral Arman No No. Contained Arman And A</td><td>register egister bus bus bus colling</td></input<></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=namer></input=re-password></input=re-password></input=re-password></input=re-password></input=mobile-number></input=gender></input=main></input=name></form>	As a user, I want to register with my personal details (name, email, gender, mobile, password, MD, user type, verification code) so that I can create a secure account.	- 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 "Please word input) must match the password, otherwise show "Please enter a valid Min build and numeric, otherwise show "Please enter a valid Min bumber". - NID Number (input) must be valid and numeric, otherwise show "Please enter a valid Min bumber". - 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	BANGLADESH Faral Arman No No. Contained Arman And A	register egister bus bus bus colling

	3	login (admin) (User)	<form></form>	As a user, I want to log in with my email and password so that I can access my dashboard.	- Email must match database email - password must match database password - User go to dashboard (if email & password match with database) - User is promt with an error. "Email or password does not match!". (if email & password match with database) - clicking register should take user to register page - clicking forgot password should take him to forgot password page	MetroSheba BANGLADESH Was 1990 1 No. Change Email: Password: Password: **Amanuaria*** **Amanuaria** **Ama
phase	1 4	Forgot password[admin] [User]	<pre><form> <input=email> <button=send code=""> <input=code> <input=sasworb> <input=assworb> <button=submit></button=submit></input=assworb></input=sasworb></input=code></button=send></input=email></form></pre>	As a user, I want to reset my password by receiving a verification code so that I can recover my account if I forget my password.	- email must match database email or promt "No email found!" - pressing send code will print a message "code sent" and the code can be found at user info row enter new password [At least 8 characters long, atleast one special character] - re-type new password [it should match new password] - clicking submit button will show user >- "password changed" if all info match criteria or it'll indicate what's wrong	Forgot Password Email Address Verification Code Mew Password Confirm Password
Fe	ture: 2	Passenger Dashboard				
phase 2	5	Manu [User]	Form	As a passenger, I want to select tickets (quantity, from- station, to-station) and pay securely so that I can buy metro tickets online.	- Ticket Quantity (select) must be selected; changing it updates Total Price automatically From Station (select) must be selected; changing it recalculates the Price To Station (select) must be selected; changing it recalculates the Price To Station (select) must be selected; changing it recalculates the Price Trice (input) is auto-filled based on selected stations Total Price (input) is automatically calculated as Price × Ticket Quantity Payment Option (select) must be selected, otherwise show "Please select a payment option" Confirm Button validates all fields, stores the booking in the database, and shows a confirmation message like "Booking successful" clicking dashboard will take user to dashboard page -go to view profile page on click - go to edit profile page on click - go to thange profile page on Click - go to updrabe password page on Click - go to purchase history page on Click	Passenger Dashboard From 70 Trial Casetty Print Trial Print Standard Trial Print Trial Prin
Fea	ture: 3	Admin Dashboard				
phase 2		Dashboard[admin]	<pre><form> <table=customer-information> <column=customer-id> <column=customer-id> <column=customer-id> <column=customer-id> <column=phone> <column=phone> <column=phone> <display=total-soid-tickets [auto-calc]=""> <display=total-evenue [auto-calc]=""> -button=export-report> -button=export-report> -button=loguer> Dashboard View Profile Edit Profile Update Password Purchase History Logout</display=total-evenue></display=total-soid-tickets></column=phone></column=phone></column=phone></column=customer-id></column=customer-id></column=customer-id></column=customer-id></table=customer-information></form></pre>	As an admin, I want to view a dashboard with customer info, revenue, tickets sold, and reports so that I can manage and monitor the metro system.	Customer Table must display Customer ID, Name, Email, Phone, Booked Tickets, and Total Spent for all customers. Total Sold Tickets (display) must be auto-calculated from all customers' booked tickets. Total Revenue (display) must be auto-calculated from all customers' total spent. Esport Report Button must generate a report of all customer information and totals. Logout Button must end the session and redirect the admin to the login page. - clicking dashboard will take user to dashboard page - go to view profile page on click - go to edit profile page on Click - go to change profile page on Click - go to tohange profile pase on Click - go to uptrabase history page on Click - go to purchase history page on Click	Admin Dashboard Seathboard
Fe	ture: 4	Payment Method				

phas	e 3	7	Payment_Method[user]	<form> Cbutton=card-payment> cbutton=bkash-payment> cbutton=rocket-payment> cbutton=nagad-payment> </form>	As a user, I want to pay using multiple options (card, bKash, Rocket, Nagard) so that I can complete my purchase easily.	- Card Payment button allows the user to pay using debit/credit cards Msah 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.	Choose Payment Method Card Payment Magad Payment Nagad Payment Proceed	Payment
Fe	eature	e: 5	Ticket Details & QR					
phas	e 2	8	Ticket_Details[user]	cForms cdisplay/eron-station> cdisplay-to-station> cdisplay-to-station> cdisplay-to-station> cdisplay-to-station> cdisplay-to-station> cdisplay-to-station> cdisplay-ero-code> cdisplay-ero-code> cbutton-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. - Toket 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.	METROSHEBA Ticket Details From Uttara North To Mirpur-11 Ticket Quantity 1 Total Price 40	Ticket_Details
Fe	eature	e: 6	Profile					
phas	e 1	9	View Profile[admin][user]	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	DOBNITORIE CONTROL ON THE PROPERTY OF THE PROP	gmail.com Number RAZKXXXX störe 678 filtrith
phas	e 1	10	Change Profile Photo[admin][user]	<current image=""> <current image=""> <input type="file"/> <butbody> cutton = confirm></butbody></current></current>	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] - cofirm button should redirect user to view profile page	Change Photo Choose Image Comfirm	Change_Photo

1	phase 1	11	Edit Profile[admin][user]	<pre> <input =="" name=""/></pre>	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 - dicking save button will either promt with an error if above rules do not meet or a promt notifying the user about successful change	METROSHEBA Edit Profile Lodies par personal deals Name: E-mail: Mobile Number: Date Of Birth Cender Male Female Other Eave changes	Edit_Profile
1	phase 1	12	Change Password[admin][user]	<able> <able> <able> <able> <a>tinput type="password"> new password <a>tinput type="password"> new password <a>tinput type="password"> confirm password <a>thutton=change></able></able></able></able>	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 of 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]	← METROSEHBA Update Password Enter Current Password tax cummingued tax cummingued Confirm Password tax by Password Confirm Password	Change_Password