## Product Requirement Document (PRD) - Version: 1.0

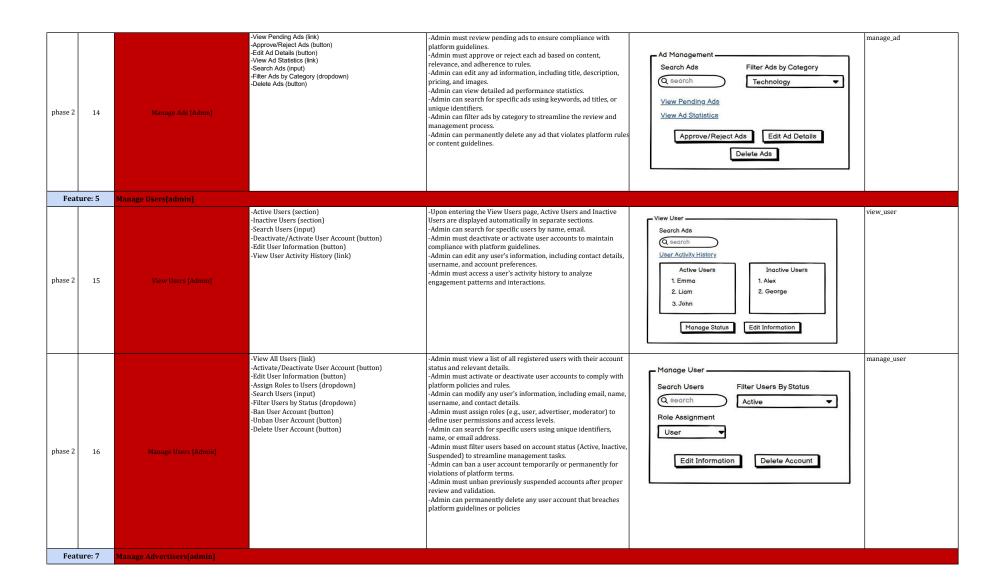
Template Name	AD Venture: An Integrated Advertisement Ecosystem			
Goals & Objective	AD Venture is a comprehensive platform designed to integrate businesses, users, and administrators into a unified advertisement ecosystem. The goal of this platform is to provide an efficient, personalized, and interactive system for managing and engaging with advertisements.			
	From this platform, users can:			
	Businesses (Advertisers):			
	-Create and manage targeted ad campaigns based on demographics, preferences, and locationMonitor ad performance using real-time analytics, such as views, clicks, and feedbackUpdate business profiles and manage posted ads (edit, pause, or delete campaigns).			
	Front Users (General Audience):			
	-View personalized ads tailored to their interests and locationSave favorite ads to a "Wishlist" for later review.			
	-Search and filter ads by category, location, price, or popularity.			
	-search and inter aus by category, location, price, or popularityProvide feedback on ads through ratings or commentsUpdate profile information and manage preferences for ad categories.			
	-optiate profile information and manage preferences for ad categories.			
	Admins:			
	-Review and approve ad postings to ensure platform compliance.			
	-Oversee platform-wide analytics and generate trend reports.			
	-Moderate flagged content and handle disputes between users and businesses.			
	-Configure platform settings like ad categories.			
Client Information	Client Types: Advertisers: Businesses and brands looking to create, manage, and optimize ad and ad campaigns. Users (General Audience): Individuals seeking personalized and relevant advertisements. Administrators: Platform managers responsible for maintaining compliance, moderating content, and overseeing analytics.			
Product Type	Web Application			
Domain	Web2			
Access Layers	Businesses (Advertisers), Front Users (Viewers/General Users), Admins			
Design Required	Yes			

Phase	Item No	Specification [Role]	User Story	Acceptance Criteria	UI Screen / Wireframe	Tags
Feat	ture: 1	Home Page[TISHTAT]				
phase 1	1		-Display Ads -Sign In (Button) -Sign Up (Button)	-The home page automatically display relevant adsClicking on an ad will redirect the user to its detailed viewIf the user is not logged in, a Sign In button should be displayedIf the user is not logged in, a Sign Up button should appear alongside the Sign In button.	Ad 1 Sign In Ad 2 Ad 3	homepage
Feat	ture: 2	Auth Feature[OPI]				

phase 1	2	Signup [Advertiser] [User]	- Enter Full name (input) - Enter unregistered email (input) - Enter password (input) [Logic: At least 8 characters long, atleast one special character] - Enter password again (input) [Logic: should match password input] - Choose user type [user, Advertiser] - Click Signup (button) [Logic: If the email is unique, user will be registered to the sysmem (databse)] - Signin (link) [Logic: redirect user to Login page]	- Email (input) field should only accept valid unregistered email address as input, otherwise will show an 'email already used' message.  - 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.  - User type must be selected. Otherwise show 'Please select a user type'.  - On clicking signup button, credential will be stored in database, user will be redirected to his dashboard.  - A copy of the login information will be sent to his email.	Sign Up  Name  Email  Password  Confirm Password  User Type  User O Diser  Advertiser	signup
			- Enter Email (input) - Enter password (input) - signin (button)	- Email must match database email - password must match database password - User go to dashboard (if email & password match with database)	Signup Sign in	signin
phase 1	3	Signin [Advertiser] [User]	- signup (link) - forgot password (link)	- User is promt with an error. "Email or password does not match!". (if email & password match with database) - clicking signup should take user to signup page - clicking forgot password should take him to forgot password page	Password  Signin Signup  Forgot password?	
phase 1	4	Signin [Admin]	-Enter Email (input) -Enter Password (input) -Sign-In (button) -Forgot Password (link)	-Email must match a record in the admin databasePassword must match the corresponding email's password in the admin databaseOn success, the admin is redirected to the admin dashboardIf email or password does not match, the admin is shown the error message: "Email or password does not match!"Clicking the "Forgot Password" link redirects the admin to the Forgot Password page for admin users.	Sign In  Email  Password  Signin Signup  Forgot password?	signin_admin
phase 1	5	Forgot password[Advertiser] [User][Admin]	- Enter email (input) - Press send code (button) - Bress send send (input) - Re-type new password (input) - click on change passowrd to update password (button)	- email must match DB 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	Change Password  Email  Password  Confirm Password  Submit	forgot_password
Feat	ture: 3	Dashboard[OPI]				

phase 1	6	Menu[Admin]	-Dashboard (link) -Manage Ads (link) -View Users (link) -Manage Users (link) -Manage Isers (link) -Wanage Advertisers (link) -Manage Advertisers (link) -Ad Analytics (link) -System Settings (link) -Flagged Content (link) -Cenerate Reports (link) -Change Password (link)	-Clicking Dashboard will take the admin to an overview of platform- statistics, user activity, and ap erformance.  -Clicking Manage Ads will allow the admin to view, approve, or reject- pending ads, and manage flagged or reported ads.  -Clicking View Users will display a list of all registered users and their details.  -Clicking Manage Users will let the admin edit, deactivate, or delete user accounts as needed.  -Clicking Manage Users will display a list of all registered businesses/advertisers will display a list of all registered businesses/advertisers.  -Clicking Manage Advertisers will allow the admin to review, deactivate, or update advertiser accounts.  -Clicking Ad Analytics will show aggregated performance data of all ads on the platform, like total views and engagement rates.  -Clicking System Settings will open a page where the admin can configure platform-wide settings like ad categories and notification preferences.  -Clicking Flagged Content will take the admin to a page where they can review and resolve flagged ads or user activity.  -Clicking Generate Reports will allow the admin to create detailed performance reports for specified time periods.  -Clicking Change Password will open the password update page.	Admin Menu  Dashboard  Manage Ads  View Users  Manage Users  View Advertisers  Manage Advertisers  Ad Analytics  System Settings  Flagged Content  Generate Report  Change Password	menu admin
phase 1	7	Menu [Advertiser]	-Dashboard (link) -Create Ad (link) -Anange Ads (link) -Ad Analytics (link) -View Profile (link) -Edit Profile (link) -Change Profile Photo (link) -Change Profile Photo (link)	-Clicking Dashboard will take the business user to their analytics dashboardClicking Create Ad will navigate to the ad creation pageClicking Greate Ad will allow users to edit, pause, or delete existing adsClicking Ad Analytics will show performance metrics of posted adsClicking View Profile will display the user's business profileClicking Edit Profile will allow editing of business detailsClicking Change Profile Photo will let the business update its profile imageClicking Change Password will navigate to the password update page.	Advertiser Menu  Dashboard  View Ads  Wishlist  Ad Catagories  Search Ads  Feedbacks  View Profile  Edit Profile  Change Profile Picture  Change Password	menu_advertiser
phase 1	8	Menu[User]	-Dashboard (link) -View Ads (link) -Wishlist (link) -Ad Categories (link) -Search Ads (link) -Feedback (link) -View Profile (link) -Edit Profile (link) -Change Profile Photo (link) -Change Password (link)	-Clicking Dashboard will take the user to the main dashboard page showing an overview of their activity and suggested adsClicking View Ads will show personalized ads based on user preferences and locationClicking Wishlist will display the user's saved ads for later referenceClicking Search ads will take the user to a categorized list of ads for easy navigationClicking Search Ads will take the user to an advanced search page with filtersClicking Feedback will open a page where the user can provide feedback or rate ads they have interacted withClicking View Profile will take the user to their profile pageClicking Edit Profile will allow the user to modify their personal details, such as name and emailClicking Change Profile Photo will let the user update their profile pictureClicking Change Password will open the password update page.	User Menu  Dashboard  Create Ads  Manage Ads  Ad Analytics  Search Ads  View Profile  Edit Profile  Change Password	menu_user

phase 1	9	Dashboard [Admin]	-Total Ads (text) -Active Users (text) -Pending Ads (text) -Reported Ads (text) -Generate Reports (link) -System Notifications (text)	-Total Ads displays the total number of ads posted on the platformActive Users shows the current count of users actively using -the platformPending Ads displays the number of ads awaiting admin approvalReported Ads shows the count of flagged ads requiring attentionClicking Generate Reports will take the admin to the reports generation page, where detailed analytics can be exportedSystem Notifications displays recent alerts or updates about platform activities (e.g., flagged content, ad status changes).	Admin's Dashboard  Welcome, X  Total Ads : 100  Active Users : 30  Pending Ads : 12  Reported Ads : 6  Generate Reports	admin_dashboard
phase 1	10	Dashboard[User]	-Personalized Ads (text) -Saved Ads (link) -Recently Viewed Ads (link) -Active Preferences (text) -Notifications (text)	-Personalized Ads displays ads tailored to the user's interests and browsing behavior.  Clicking Saved Ads will take the user to their wishlist, showing the ads they've saved for future reference.  -Clicking Recently Viewed Ads will show a list of ads the user has recently interacted with.  -Active Preferences shows the user's selected preferences for ad targeting (e.g., location, category, price range).  Notifications displays updates and alerts about new ad recommendations, user activity, or platform announcements.	Welcome, X Personalized Ads: 5 Saved Ads: 20 Active Performance Notifications Recently Viewed Ads	user_dashboard
phase 1	11	Dashboard[Advertiser]	-Total Ads (text) -Active Ads (text) -Pending Ads (text) -Ad Performance Overview (link) -Notifications (text)	-Total Ads displays the total number of ads created by the advertiserActive Ads shows the number of ads currently live on the platformPending Ads displays the number of ads awaiting admin approvalClicking Ad Performance Overview will navigate to a page showing analytics such as impressions, clicks, and engagement rates for the advertiser's adsNotifications displays recent updates related to the advertiser's account, such as ad approval status or flagged ads.	Avertiser's Dashboard  Welcome, X  Total Ads : 20  Active Ads : 10  Pending Ads : 5  Notifications  Ad Performance Overview	advertiser_dashboard
Feat	ture: 4	Top bar and Bottom Bar[OPI]	- clicking on logo will take user to dashboard	- logout should erase cookie and user should not be able to go to		topbar
phase 1	12	Top bar	- clicking on logout will logout user - clicking on username will take him to profile page	- logoit should erase cooke and user should not be able to go to dashboard without login again	Logged as, abc@gmail.com	
phase 1	13	Bottom Bar	none	none	Bottom Bar — Copyright © 2024	bottombar
Feat	ture: 5	Manage Ads				



	17	View Advertisers [Admin]	-View All Advertisers (Link) -Search Advertisers (input) -Filter Advertisers by Category (dropdown) -View Business Profile Details (link) -Activate/Deactivate Advertiser Account (button) -Edit Business Information (button) -View Ad Campaigns (link) -Assign Promotional Campaigns (button) -Delete Advertiser Account (button)	-Admin must view a list of all registered advertisers along with their business information and platform activityAdmin can search for specific advertisers using business name, contact information, or unique IDsAdmin must filter advertisers based on categories (e.g., fashion, technology, real estate) to manage interactionsAdmin can access detailed business profiles to review company information, contact details, and branding assetsAdmin must activate or deactivate advertiser accounts to maintain compliance with platform guidelinesAdmin can modify business information, including company name, address, contact details, and descriptionAdmin can view ongoing and past ad campaigns run by each advertiser to analyze performance and engagementAdmin can assign promotional campaigns and sponsorship opportunities to selected advertisersAdmin can permanently delete advertiser accounts that breach platform terms and policies.	View Advertisers  Search Advertisers  G search  Local Advertisers  View Ad Campaigns  View Business Profile Details  Manage Status  Edit Information  Delete Account	
phase 2	18	Manage Advertisers [Admin]	-View All Advertisers (Link) -Search Advertisers (input) -Filter Advertisers by Category (dropdown) -Activate/Deactivate Advertiser Account (button) -Edit Business Information (button) -Assign Ad Campaigns (button) -View Ad Performance Analytics (link) -Ban Advertiser Account (button) -Unban Advertiser Account (button) -Delete Advertiser Account (button)	-Admin must view a list of all registered advertisers, including their business profiles and activity statusAdmin can search for specific advertisers by company name, contact details, or unique IDsAdmin can filter advertisers based on categories -Admin must activate or deactivate advertiser accounts to ensure compliance with platform policiesAdmin can modify any business information, such as company name, address, contact details, and brandingAdmin must assign ad campaigns to selected advertisers, ensuring proper scheduling and placementAdmin can view detailed ad performance analytics, including metrics like impressions, clicks, and CTRAdmin must ban advertiser accounts temporarily or permanently in case of policy violationsAdmin can unban previously suspended advertiser accounts after thorough review and validationAdmin can permanently delete advertiser accounts that violate platform guidelines or terms of service.	Manage Advertisers  Search Advertisers  Search  Local Advertisers  View Ad Campaigns  View Business Profile Details  View Ad Performance Analytic  Ban  Unban  Manage Status  Edit Information  Delete Account	manager_advertisers
Feat	ure: 8	Ad Analytics [TISHAT]				
phase 2	19	Ad Analytics [Admin]	-Filter Ads by Date Range (input) -View Impressions(Text) -Compare Ad Campaigns (button) -Download Analytics Report (button)	-Admin can filter ad analytics by date range to analyze campaign performance over specific periodsAdmin can compare multiple ad campaigns to evaluate which ads are performing betterAdmin can download the ad analytics data in report format for further analysis or sharing.	Filter ad by Data Range  Text Impression : 220  Ad Campaign 1 Ad Campaign 2  Compare Download Report	ad_analytics_admin
Feat	ure: 9	System Settings[RAFI]				
			-View Current Settings (link) -Modify Platform Settings (button) -Set Ad Display Rules (input) -Enable/Disable Features (button) -Manage Payment Integration (link) -Save Changes (button)	<ul> <li>-Admin must be able to view the current system settings related to platform functionality and ad display.</li> <li>-Admin can modify platform settings, including ad display rules, notification settings, and other system preferences.</li> <li>-Admin can set rules regarding the type of ads allowed on the platform (e.g., content restrictions, size limits).</li> <li>-Admin can enable or disable specific platform features, such as ad</li> </ul>	System Settlings  View Current Settlings  Manage Poyement Integration  Modify Platform Settlings  Ad Display Rules	system_settings

Feat	ure: 10	Flagged Content [OPI]				
phase 3	21	Flagged Content [Admin]	-View Flagged Ads/Content (link) -Review Content (button) -Approve/Reject Flagged Content (button) -View Flagged Content Details (link) -Delete Flagged Content (button)	-Admin must view ads or content that have been flagged by users or automated systems for review.  -Admin must review flagged content to determine whether it violates platform guidelines.  -Admin can approve or reject flagged content based on the review outcome.  -Admin can access detailed information regarding flagged content, including the reason for flagging.  -Admin can permanently delete any flagged content that violates platform rules.	Flagged Contents  View Flagged Ads  View Flagged Ads Details  Approve/Reject Flagged Ads  Delete Flagged Ad	flagged_contents
Feat	ure: 11	Generate Reports [SHOHAN]				
phase 3	22	Generate Reports [Admin]	-Select Report Type (dropdown) -Set Report Parameters (input) -Generate Report (button) -Download Report (button)	-Admin can select the type of report they wish to generate (e.g., ad performance, user activity, revenue)Admin must set parameters for the report, including date range, user segment, or ad categoriesAdmin can generate the report based on the selected type and parametersAdmin can download the generated report in formats such as CSV or PDF for further analysis.	Generate Report  Select Report Type  Report Parameter  Generate Report  Download Report	generate_report
Feat	ure: 12	Change Password[Admin][RAFI]				
phase 3	23	Change Password [Admin]	-Enter Current Password (input) -Enter New Password (input) -Re-enter New Password (input) Click Save Changes (button)	-Admin must enter their current password to verify identity before making any changes.  -Admin must provide a new password that meets platform security requirements (e.g., length, complexity).  -Admin must re-enter the new password to confirm it matches.  -Admin must click the Save Changes button to update the password.  -Admin must be notified if the password change is successful or if there are any errors (e.g., passwords do not match).	Change Password Enter New Password  Confirm New Password  Change Password	change_admin_pass
Feat	ure: 13	Create Ad[SHOHAN]				
phase 3	24	Create Ad [Advertiser]	-Enter Ad Title (input) -Add Ad Description (textarea) -Upload Images (file input) -Select Ad Category (dropdown) -Set Budget (input) -Set Start and End Dates (input) -Click Submit Ad (button)	-Advertiser must enter an ad title and description to create the contentAdvertiser must upload relevant images for the ad (validation for file type and size applies)Advertiser must select a category for the ad to improve discoverabilityAdvertiser must set a budget in a valid format (numeric, nonnegative)Advertiser must set start and end dates for the ad's visibility periodAdvertiser must click Submit Ad to finalize the process, and the system should validate all inputs.	Enter Ad Title  Add Ad description  Upload Images Image upload  Select Ad category ComboBox   set Budget  Set start and end data 00/00/0000	create_ad_adv
Feat	ure: 14	Manage Ads [SHOHAN]				

phase 3	25	Manage Ads [Advertiser]	View Current Ads (list) Edit Ad (button) Pause/Resume Ad (toggle button) Delete Ad (button)	Advertiser must view a list of all active, paused, and expired ads. Advertiser must click Edit Ad to modify ad details like title, description, and budget. Advertiser must toggle between pause/resume states for active campaigns. Advertiser must click Delete Ad to remove a campaign permanently.	View Current Ads list  Edit Ad  Pouse/Resume Add  Delete Add	manage_ad_adv
Feati	ıre: 15	Ad Analytics[SHOHAN]				
phase 3	26	Ad Analytics (Advertiser)	-View Ad Performance (chart) -Filter by Ad (dropdown) -Set Date Range (input)	-Advertiser can view performance charts showing impressions, clicks of a addAdvertiser must filter data for specific ads using a dropdown or searchAdvertiser must set a date range to see data for a specific time period.	Ad Analytics  View Ad Performance  Chart  Filter by Ad  Ad filter  Set Date Range  View Performanc	ad_analytics_adv
Feati	ıre: 16	Profile(adviser)[SHOHAN]	Dian i N C O			1: 01 1
phase 3	27	Edit Profile (Advertiser)	-Edit Business Name (input) -Edit Contact Email (input) -Edit Contact Phone (input) -Edit Address (textarea) -Update Profile (button)	-Advertiser must update their business name, contact email, phone number, and addressAdvertiser must provide valid inputs (e.g., valid email format, phone number must contain only digits)Advertiser must click Update Profile to save changes	Edit Profile (Advertiser)  Edit Business Name  Edit Contact Email  Edit Contact Phone  Edit Address	edit_profile_adv
phase 3	28	Change Profile Photo (Advertiser)	-Upload New Profile Photo (file input) -Preview Current Profile Photo (image) -Save Changes (button)	-Advertiser must upload a new profile photo (validate file type: JPEG, PNG)Advertiser must preview the uploaded photo before savingAdvertiser must click Save Changes to update the profile photo	Change Profile Photo (Advertiser)  Upload New Profile Photo Choose File No file chosen Preview Current Profile Photo  Current Profile Photo Save Changes	change_prof_phot_adv

phase 3	29	Change Password (Advertiser)	-Enter Current Password (input) -Enter New Password (input) -Confirm New Password (input) -Submit (button)	-Advertiser must enter their current password for security validationAdvertiser must enter a new password, ensuring it meets security criteria (e.g., minimum length, special characters)Advertiser must confirm the new password (must match the new password entered)Advertiser must click Submit to save the new passwordSystem must validate the current password and match new passwords before updating.	Change Password (Advertiser)  Enter Current Password  Enter New Password  Confirm New Password  Submit	change_pass_adv
phase 3	30	View Profile (Advertiser)	-Display Business Name (text) -Display Contact Information (text) -Display Current Subscription Plan (text) -View Total Campaigns (text	-Advertiser must see their business details, contact information, and subscription plan summaryAdvertiser must see a summary of their campaigns (e.g., total created, active, paused).	View Profile (Advertiser)  Business Name:     Acme Advertising Co.     Contact Information:     Email:     contact@acmeadvertising.com       Phone: +123 456 7890  Current Subscription Plan:     Premium Plan - \$99/month  Campaign Summary:     Total Campaigns: 15 (Active: 5       Paused: 3)	view_profile_adv
Feats	31	View Ads (User) [RAFI]  Ad Categories (User)	-List of Categories (links) -View Ads in Category (link)	-User must see a categorized list of ads, such as Electronics, Real Estate, Vehicles, etcUser must click on a category to view all ads within that category.	Ad Categories  Categories  Electronics Real Estate Yehicles John Service Pets Travel	ad_categories_adv
phase 3	32	Search Ads (User)	-Search Bar (input) -Search Button (button) -View Search Results (section)	-User must enter a keyword in the Search Bar to find relevant adsUser must click the Search Button to perform a searchSystem must display relevant ads in the Search Results section.	Q Search Ads	search_ad_user

phase 3	33	View Ads (User)	-List of Ads (dynamic section) -Filter Ads (dropdown) -Sort Ads (dropdown) View Ad Details (link)	-User must view a list of ads dynamically loaded based on their preferencesUser can filter ads by location, price range, or categoryUser can sort ads by date, relevance, or popularityUser must click View Ad Details to see the full ad information	Filter Ads:  All Ads  Sort Ads:  Newest First  List of Ads:  Ad Title 1 - View Ad Details  Ad Title 2 - View Ad Details  Ad Title 3 - View Ad Details	view_ad_user
Fea	ture: 18	Wishlist (User)[RAFI]				
phase 3		Wishlist (User)	List of Saved Ads (section) Remove Ad from Wishlist (button) View Saved Ad Details (link)	User must see all ads they've saved to their wishlist. User must be able to remove ads from their wishlist. User must click View Saved Ad Details to navigate to the ad's main page.	List of Saved Ads:  Ad Title 1 - View Saved Ad Details Remove Ad Title 2 - View Saved Ad Details Remove Ad Title 3 - View Saved Ad Details Remove	wishlist_user
Fea	ture: 19	Feedback (User)[RAFI]				
phase 3	35	Feedback (User)	-Provide Feedback (textarea) -Submit Feedback (button)	-User must write their feedback in the Provide Feedback textareaUser must click Submit Feedback to send their comments.	Feedback  How Can We Improve?  Your feedback help us make better for everyone  Enter Your Feedback  Submit Cancel	feedback_user
Fea	ture: 20	Profile (User)[OPI]				<del> </del>

phase 3	36	Edit Profile (User)	-Edit Name (input) -Edit Email (input) -Edit Phone Number (input) -Update Profile (button)	-User must update their name, email, and phone numberSystem must validate inputs (e.g., valid email, phone number must contain only digits)User must click Update Profile to save changes.	Name  Enter Your Name  Enter Your Email  Phone Number  Enter Your Vember  Update Profite	edit_prof_user
phase 3	37	Change Profile Photo (User)	-Upload New Profile Photo (file input) -Preview Current Profile Photo (image) -Save Changes (button)	-User must upload a new profile photo (validate file type: JPEG, PNG)User must preview the uploaded photo before savingUser must click Save Changes to update the profile photo.	Profile Photo Uplead a new profile photo. PNO or JPEO files only  Upload a Fhoto Cove	change_prof_phot_user
phase 3	38	Change Password(User)	-Enter Current Password (input) -Enter New Password (input) -Re-enter New Password (input) -Submit (button)	-User must enter the correct current passwordNew password must meet platform security criteria (e.g., minimum length, use of special characters, numbers, and letters)New password and re-entered password must matchUser must click the Submit button to finalize the password changeIf any requirement fails, the system should display appropriate error messages.	Enter Current Password:  Enter New Password:  Re-enter New Password:	change_pass_user

			D: 1 D C1 I C ( )	TI		. 61
			-Display Profile Information (section)	-User must see their basic profile details, such as name, email, and		view_profile_user
			-View Recent Activities (section)	saved ads count.		
				-User must view recent activities, such as ads viewed or wishlist	► View Profile ————	
				updates.	View Profile	
					(0)	
					10000	
					Nome Alex Holes	
					Email cles@email.com	
					olex®email.com	
phase 3	39	View Profile (User)				
					Save Ads You have 3 noved adds	
					States (1997) to an increased	
					View Recent Activities	
					Wishlist Updated	
					Ad Viewed	
					Ad Viewed	