Test Plan

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1. **Introduction**

    We will implement a *functional testing* strategy to test our main functions.

    a. **Purpose**

       This Test Plan will serve as a blueprint to verify the current features and functionality of Zapato.

    b. **Scope**

       We are testing the Zapato on mobile phones running Android 7.0 with at least 2GB of RAM.

       The Test Plan will cover functions related to:

       - User Profile
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       - System settings
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My profile & Settings

Title	Go to My Profile (Refer to by Test case ID: **MP1**)
Description	Test path of getting to *My Profile* screen
Preconditions/ Assumptions	User has a Zapato account, is logged in, and is Product Browsing

Test Steps	1. Hold the floating Home button at the bottom left
	    a. A quarter-wheel menu will pop up, which includes an option for "My Profile" (shown as a silhouette)
	2. While keeping finger held on the screen, drag to the My Profile button
	    a. A highlight will show around the My Profile button, to show that it is the selected option
	3. Lift your finger from the screen once you see the highlighted button
	    a. The *My Profile* page will be displayed, with its name at the top
	4. User is now at the My Profile screen

Expected Result	User is in the *My Profile* screen

Title	Login from Start Screen (correct information)
Description	User successfully logs into a registered Zapato account.
Preconditions/ Assumptions	User has a Zapato account, is not logged in yet, and is at the Start Screen.

Test Steps	1. Select **Login** or the Profile icon
	    a. Displays two white rectangles used for user input: top one for email and bottom one for password.
	2. Click in each rectangle to input user info
	    a. Each click will trigger the on-screen keyboard for user to input email or password
	3. Input **Correct** email and password using keyboard
	    a. Email shown, while password is "hidden"
	4. Click **Login** button at the bottom

Expected Result	User is logged into their account and returned to the Start Screen.

Title	Login (incorrect info / Forgot Password)
Description	User attempts login, but forgets password
Preconditions/ Assumptions	User has a Zapato account, is not logged in yet, and is at the Start Screen.

Test Steps	1. Follow Steps 1 and 2 from Correct Login test case
	2. Input Incorrect email or password using keyboard
	    a. Displays "*Email or password incorrect*"
	3. Click "*Forgot password*"
	    a. Takes User to screen where they can input their email address
	4. Insert email, click "**enter**"
	    a. User will receive an email from Zapato with a link to reset password
	5. User will go into that email, click that link, which takes them to a window within the Zapato app giving two input options *Enter new password* and *Confirm password.*
	    a. Insert new password twice, and click **Confirm** button
	6. Run Login Test Case with correct information

Expected Result	User has reset their forgotten password, and logged into their account.

Title	Log out
Description	User logs out from their Zapato account
Preconditions	User is logged into Zapato account, and is Browsing Products

Test Steps	1. Complete Test Case **MP1**
	    a. User is at "My Profile" page
	2. In *My Profile* page, scroll down until you see a **Logout** option. Click the "Logout" text
	    a. A pop-up window will display to the User, with a text reading: "Log out of Zapato?" and two options "Cancel" and "Logout"
	3. Click "Log out" option
	    a. User will be taken back to the Start Screen.

Expected Result	The user will be taken to the main screen

Title	Change Password
Description	Enable current user to change password.
Preconditions	User is logged in and at the Main Screen.

Test Steps	1. Complete Test Case **MP1**
	    a. User is at "My Profile" page
	2. Scroll down to where it says "Change Password", select that option
	    a. Takes User into new "Reset Password" page. Displays text box for inputting Current Password, New Password, and "Verify new password"
	3. Enter the current password, new password, and new password again to verify
	    a. All passwords will appear "hidden"
	4. Click the checkmark button to confirm your change.
	    a. Message will appear "New password set", and User will be taken back to *My Profile* page

Expected Result	User has changed their password successfully

Title	Update Full Name
Description	Change first or last name associated with the account
Preconditions	User is logged in and at Main Screen

Test Steps	1. Complete Test Case **MP1**
	    a. User is at "My Profile" page
	2. Click the "Edit Profile" button
	    a. Goes into an *Edit Mode* with user full name, and other information open to new input
	3. Click on "Name" text field.
	    a. Cursor should know be to the right of user name
	4. delete current name, and type in new name.
	    a. New name should show, but not save yet/
	5. Select "Save"

	a. User taken back to *My Profile*
Expected Result	User now has a new Full Name. NOT username.

Title	Update Delivery Address
Description	Change the delivery address associated with the account.
Preconditions	User is in Main Screen.

Test Steps	1. Click Profile icon
	    a. Switched to Profile screen
	2. Click "Edit Profile"
	    a. On screen contents become editable
	3. Click "Change Address"
	    a. Address contents are highlighted
	4. Enter new address
	    a. New address is highlighted
	5. Click "Save Changes"
	    a. Profile contents are saved and not editable.

Expected Result	The user is taken back to the "Profile" Screen and the address associated with the account is changed.

Title	Update Email
Description	Enable user to change current email address.
Preconditions	User is in the Main Screen
Test Steps	1. Select "Change Email Address" 2. Enter new Email address. 3. Save changes.
Expected Result	User's email address is updated.

Title	View Sell Listing
Description	Switch screen to view list of all products User is selling.

Preconditions	User is in Main Screen and is logged in.
Test Steps	1. Click Profile icon 2. Click Listing icon 3. Click "Sell List"
Expected Result	User sees his/her/their sell listing

Title	Remove Sell Listing
Description	Suspend or take product put up to sell.
Preconditions	User is logged in and in seller listing page.
Test Steps	1. Click "edit" product 2. Click "remove" or "suspend"
Expected Result	Product should not be in buyer's item inventory

Title	Create Sell Listing
Description	User create a sell listing of their product for sale.
Preconditions	User is in Main Screen and is logged in.
Test Steps	1. Click Profile icon 2. Click Listing icon 3. Click Sell List 4. Click Add Listing icon 5. Input product information 6. Select "sell now" or "bid" 7. Input Paypal account 8. Click "Submit"
Expected Result	The user is returned to their Profile Screen, a new product is added to the app product listing and to the user sell listing.

Title	View Favorite List
Description	User switch screen to view all favorite items
Preconditions	User is logged in, and user is in Main Screen
Test Steps	1. Click Profile icon 2. Click Listing icon 3. Click Favorites List
Expected Result	The user will be taken to the Favorite List Screen, and view a list of item that user add to the Favorite.

Title	Remove Favorites
Description	User remove a item from their Favorite List
Preconditions	User is logged in, and user is in main screen and has itesm in the Favorite List
Test Steps	1. Click Profile 2. Click Listing 3. Click Favorites 4. Click Remove 5. Click Product to remove 6. Confirmation prompt appears 7. Click Yes to confirm removal
Expected Result	The user will be taken to the Favorite List screen, and the item that user remove will not show in the Favorite List

Title	Enable Message Notification
Description	Change notification settings to turn on message notifications.
Preconditions	User is in Main Screen, is logged on, and has message notification disabled.
Test Steps	1. Click Settings

	2. Click Notifications 3. Click "Enable"
Expected Result	The user is returned to the Settings Screen, and message notification is enabled.

Title	Disable Message Notification
Description	Change notification setting to turn off message notification
Preconditions	User is in Main Screen
Test Steps	1. 1. Click Settings 2. 2. Click Notifications 3. 3. Slide Message Notifications from On to Off
Expected Result	The user will be taken back to the main screen, and user will not receive notification message from the app.

Title	Change Profile Image
Description	User replaces their current profile image with a new profile image.
Preconditions	User is in Main Screen and is logged in.
Test Steps	1. Click Profile icon 2. Click "Edit Profile" 3. Click "Change Profile Image" 4. Upload new image from device 5. Click "Save Changes"
Expected Result	The user is returned to their Profile Screen, their profile image is updated to the new image.

Title	View Help

Description	User views the Help section of the application.
Preconditions	User is in the Main Screen.
Test Steps	1. Click Profile icon 2. Click "Settings" 3. Click "Help"
Expected Result	The help page is displayed on the screen for the user.

Title	View Terms of Service/Privacy Policy
Description	User views the Terms of Service/Privacy Policy.
Preconditions	User is in the Main Screen.
Test Steps	4. Click Profile icon 5. Click "Settings" 6. Click "Application Information"
Expected Result	The Terms of Service/Privacy Policy page is displayed on the screen for the user.

Title	View Application Information
Description	User views the information of the application.
Preconditions	User is in the Main Screen.
Test Steps	7. Click Profile icon 8. Click "Settings" 9. Click "Application Information"
Expected Result	The application information page is displayed on the screen for the user.

Title	Send Feedback

Description	User sends feedback for the application.
Preconditions	User is in the Main Screen.
Test Steps	1. Click Profile icon 2. Click "Settings" 3. Click "Feedback" 4. Enter in feedback and select category of feedback 5. Click "Send"
Expected Result	The user feedback is sent and the user is taken back to the Main Screen.

Product Browsing

Title	Bid product
Description	User places a bid for a product.
Preconditions	User is logged into an account. User is at the product details screen or is at the Bid List screen.
Test Steps	1. Click "Bid" 2. Agree to payment obligation 3. Enter valid bid amount 4. Click "Submit"
Expected Result	A bid is placed for a product and the user is returned to the product details screen or the bid list screen.

Title	Buy product
Description	User places an order for a product
Preconditions	User is logged into an account. User is at the checkout details screen.
Test Steps	1. Click "Place order" 2. Choose payment method 3. Choose shipping method 4. Choose shipping address 5. Confirm payment details
Expected Result	A purchase for a product is successful and the user is returned to the product details screen or account main.

Title	Sell product
Description	User puts up an item to sell
Preconditions	User is logged into a seller account. User is at the product information fill out screen.

Test Steps	1. Tap "Sell" 2. Fill out product name 3. Upload product picture 4. Fill out product details 5. Fill out sell price 6. Click "Done"
Expected Result	Product is uploaded for sale and the item is available for purchase to buyer accounts.

Title	Search product
Description	User attempt to find a specific product.
Preconditions	User is in the product browsing screen.
Test Steps	1. User touch and drags the screen down. 2. With their finger still on the phone, they drag their finger to the left and let go 3. Search bar will display and user can input a product name for searching.
Expected Result	User has searched for a product they were looking for.

Title	Filter products
Description	User wants to filter products based on certain type or style
Preconditions	User is in the product browsing screen.
Test Steps	1. User drags down menu from top 2. User selects or fills out type or style to filter 3. Check if relevant products show for the filtered list
Expected Result	User is viewing only the relevant filtered items.

Title	Add to favorites
Description	User want to add a product to their Favorites list
Preconditions	User is logged in, and user is in the product screen
Test Steps	1. Click Add To Favorite icon 2. Click Yes To confirm add
Expected Result	User is still view the Product Detail screen, and user can view the item in the Favorite List

Peer to peer

Title	Message seller
Description	Send a message to the seller of an item
Preconditions	User must be logged in and in the seller's profile of an item

Test Steps	1. Click on "message seller" from the seller profile screen.
	    a. A new page with a textbox appears.
	2. Message is written.
	    a. The message should be under the character limit of 140.
	3. Message is temporarily saved.
	4. User sends the message.
	    a. User is sent back to the seller's profile.

Expected Result	Message is successfully sent to the seller.

Title	Message buyer
Description	Responding to the buyer interested in the item.
Preconditions	User must be logged in.
Test Steps	1. User has received messaged about the item they are selling. 2. Message is written by the user. 3. Message is temporarily saved. 4. Message is sent.
Expected Result	Message is successfully sent to the buyer

Title	Report a person
Description	To send a complaint against a person to the admins.
Preconditions	User is in the profile of the person.

Test Steps	1. Scroll down from the person's profile. 2. Click on "Report." 3. Click on the list of available offenses. 4. Choose what offense matches what the person did. 5. Write optional sentences that happened to report this person. 6. Click "Submit."
Expected Result	A report is successfully sent to the admins.

System

Title	New bid
Description	Notify user of a new bid notification.
Preconditions	Item must be on sale and has time left in the bid. Zapato Android background service must be on.
Test Steps	1. Zapato admin Android push service is activated. 2. OAuth google account verification for Zapato app.
Expected Result	Android transmits signal to the server to send the signal for a notification that there is a new bid.

Title	New message
Description	Notify user of a new message notification.
Preconditions	Zapato Android background service must be on.
Test Steps	1. Message is received from another device. 2. System sends an alert to the phone
Expected Result	Android transmits signal to the server to send the signal for a notification that a message has arrived.

Payment Processing

Title	Choose payment and confirm order
Description	Choose money method used to transfer money to seller
Preconditions	User is in the purchase screen
Test Steps	1. Select payment type. 2. Fill out card detail or paypal or similar payment account 3. Finish purchasing a product.
Expected Result	Payment gets processed and appears on billing of buyer and seller. Email confirmation is sent.

Title	Choose shipping address
Description	Choose shipping address for purchase
Preconditions	User is in the purchase screen
Test Steps	1. Select address already in the previous or fill out a new address to ship to. 2. Finish purchasing a product
Expected Result	Product is recorded to be shipped to the address specified to the seller and buyer gets confirmation email and invoice that states the address with the purchase details.