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# Test Plan - Zapato

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## CECS 491A Software Engineering Project I

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## 1. Introduction

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

### 1.1 Purpose

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

### 1.2 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:

1. User Profile
2. Product Browsing
3. Peer to peer interaction
4. System settings
5. Payments

## 2. Test Cases

### 2.1 My profile & settings

#### 2.1.1 Go to my profile

<b>Title</b>	Go to My Profile (Refer to by Test case ID: <b>MP1</b> )
<b>Description</b>	Test path of getting to <b>My Profile</b> screen
<b>Preconditions/ Assumptions</b>	User has a Zapato account, is logged in, and is Product Browsing
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Hold the floating Home button at the bottom left<ol style="list-style-type: none"><li>a. A quarter-wheel menu will pop up, which includes an option for "My Profile" (shown as a silhouette)</li></ol></li><li>2. While keeping finger held on the screen, drag to the My Profile button<ol style="list-style-type: none"><li>a. A highlight will show around the My Profile button, to show that it is the selected option</li></ol></li><li>3. Lift your finger from the screen once you see the highlighted button<ol style="list-style-type: none"><li>a. The <b>My Profile</b> page will be displayed, with its name at the top</li></ol></li><li>4. User is now at the My Profile screen</li></ol>
<b>Expected Result</b>	User is in the <b>My Profile</b> screen

## 2.1.2 Login

<b>Title</b>	Login from Start Screen ( correct information )
<b>Description</b>	User successfully logs into a registered Zapato account.
<b>Preconditions/ Assumptions</b>	User has a Zapato account, is not logged in yet, and is at the Start Screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Select <b>Login</b> or the Profile icon<ol style="list-style-type: none"><li>a. Displays two white rectangles used for user input: top one for email and bottom one for password.</li></ol></li><li>2. Click in each rectangle to input user info<ol style="list-style-type: none"><li>a. Each click will trigger the on-screen keyboard for user to input email or password</li></ol></li><li>3. Input <b>Correct</b> email and password using keyboard<ol style="list-style-type: none"><li>a. Email shown, while password is "hidden"</li></ol></li><li>4. Click <b>Login</b> button at the bottom</li></ol>
<b>Expected Result</b>	User is logged into their account and returned to the Start Screen.

## 2.1.3 Logout

<b>Title</b>	Login (incorrect info / Forgot Password)
<b>Description</b>	User attempts login, but forgets password
<b>Preconditions/ Assumptions</b>	User has a Zapato account, is not logged in yet, and is at the Start Screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Follow Steps 1 and 2 from Correct Login test case</li><li>2. Input Incorrect email or password using keyboard<ol style="list-style-type: none"><li>a. Displays "<b>Email or password incorrect</b>"</li></ol></li><li>3. Click "<b>Forgot password</b>"<ol style="list-style-type: none"><li>a. Takes User to screen where they can input their email address</li></ol></li><li>4. Insert email, click "<b>enter</b>"<ol style="list-style-type: none"><li>a. User will receive an email from Zapato with a link to reset password</li></ol></li><li>5. User will go into that email, click that link, which takes them to a window within the Zapato app giving two input options <b>Enter new password</b> and <b>Confirm password</b>.<ol style="list-style-type: none"><li>a. Insert new password twice, and click <b>Confirm</b> button</li></ol></li><li>6. Run Login Test Case with correct information</li></ol>
<b>Expected Result</b>	User has reset their forgotten password, and logged into their account.

## 2.1.4 Change password

<b>Title</b>	Change Password
<b>Description</b>	Enable current user to change password.
<b>Preconditions</b>	User is logged in and at the Main Screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case <b>MP1</b><ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Scroll down to where it says "Change Password", select that option<ol style="list-style-type: none"><li>a. Takes User into new "Reset Password" page. Displays text box for inputting Current Password, New Password, and "Verify new password"</li></ol></li><li>3. Enter the current password, new password, and new password again to verify<ol style="list-style-type: none"><li>a. All passwords will appear "hidden"</li></ol></li><li>4. Click the checkmark button to confirm your change.<ol style="list-style-type: none"><li>a. Message will appear "New password set", and User will be taken back to <b>My Profile</b> page</li></ol></li></ol>
<b>Expected Result</b>	User has changed their password successfully



## 2.1.5 Update name

<b>Title</b>	Update Name
<b>Description</b>	Change first or last name associated with the account
<b>Preconditions</b>	User is logged in and at Main Screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case <b>MP1</b><ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click the "Edit Profile" button<ol style="list-style-type: none"><li>a. Goes into an <b>Edit Mode</b> with user full name, and other information open to new input</li></ol></li><li>3. Click on "Name" text field.<ol style="list-style-type: none"><li>a. Cursor should know be to the right of user name</li></ol></li><li>4. delete current name, and type in new name.<ol style="list-style-type: none"><li>a. New name should show, but not save yet/</li></ol></li><li>5. Select "Save"<ol style="list-style-type: none"><li>a. User taken back to <b>My Profile</b></li></ol></li></ol>
<b>Expected Result</b>	User now has a new Full Name. NOT username.

## 2.1.6 Update delivery address

Title	Update Delivery Address
Description	Change the delivery address associated with the account.
Preconditions	User is in Main Screen.
Test Steps	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Edit Profile"<ol style="list-style-type: none"><li>a. On screen contents become editable</li></ol></li><li>3. Click "Change Address"<ol style="list-style-type: none"><li>a. Address contents are highlighted</li></ol></li><li>4. Enter new address<ol style="list-style-type: none"><li>a. New address is highlighted</li></ol></li><li>5. Click "Save Changes"<ol style="list-style-type: none"><li>a. Profile contents are saved and not editable.</li></ol></li></ol>
Expected Result	The user is taken back to the "Profile" Screen and the address associated with the account is changed.

## 2.1.7 Update email

Title	Update Email
Description	Enable user to change current email address.
Preconditions	User is in the Main Screen
Test Steps	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Edit Profile"<ol style="list-style-type: none"><li>a. On screen contents become editable</li></ol></li><li>3. Select "Change Email Address"</li><li>4. Enter new Email address.</li><li>5. Save changes.</li></ol>
Expected Result	User's email address is updated.

## 2.1.8 Verify email

Title	Update Email
Description	Enable user to change current email address.
Preconditions	User is in the Main Screen
Test Steps	<ol style="list-style-type: none"><li>1. Complete Test Case <b>MP1</b><ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Edit Profile"<ol style="list-style-type: none"><li>a. On screen contents become editable</li></ol></li><li>3. Select "Change Email Address"</li><li>4. Enter new Email address.</li><li>5. Save changes.</li></ol>
Expected Result	User's email address is updated.

## 2.1.9 Verify selling list

<b>Title</b>	View Sell Listing
<b>Description</b>	Switch screen to view list of all products User is selling.
<b>Preconditions</b>	User is in Main Screen and is logged in.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click Listing icon</li><li>3. Click "Sell List"</li></ol>
<b>Expected Result</b>	User sees his/her/their sell listing

## 2.1.10 Remove sell listing

<b>Title</b>	Remove Sell Listing
<b>Description</b>	Suspend or take product put up to sell.
<b>Preconditions</b>	User is logged in and in seller listing page.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click "edit" product</li><li>2. Click "remove" or "suspend"</li></ol>
<b>Expected Result</b>	Product should not be in buyer's item inventory

## 2.1.11 Create sell listing

<b>Title</b>	Create Sell Listing
<b>Description</b>	User create a sell listing of their product for sale.
<b>Preconditions</b>	User is in Main Screen and is logged in.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click Listing icon</li><li>3. Click Sell List</li><li>4. Click Add Listing icon</li><li>5. Input product information</li><li>6. Select "sell now" or "bid"</li><li>7. Input Paypal account</li><li>8. Click "Submit"</li></ol>
<b>Expected Result</b>	The user is returned to their Profile Screen, a new product is added to the app product listing and to the user sell listing.

## 2.1.12 View favorite list

<b>Title</b>	View Favorite List
<b>Description</b>	User switch screen to view all favorite items
<b>Preconditions</b>	User is logged in, and user is in Main Screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click Listing icon</li><li>3. Click Favorites List</li></ol>
<b>Expected Result</b>	The user will be taken to the Favorite List Screen, and view a list of item that user add to the Favorite.

## 2.1.13 Remove favorites

<b>Title</b>	Remove Favorites
<b>Description</b>	User remove a item from their Favorite List
<b>Preconditions</b>	User is logged in, and user is in main screen and has itesm in the Favorite List
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case <b>MP1</b><ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click Listing</li><li>3. Click Favorites</li><li>4. Click Remove</li><li>5. Click Product to remove</li><li>6. Confirmation prompt appears</li><li>7. Click Yes to confirm removal</li></ol>
<b>Expected Result</b>	The user will be taken to the Favorite List screen, and the item that user remove will not show in the Favorite List

## 2.1.14 Enable message notifications

<b>Title</b>	Enable Message Notification
<b>Description</b>	Change notification settings to turn on message notifications.
<b>Preconditions</b>	User is in Main Screen, is logged on, and has message notification disabled.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click Settings</li><li>2. Click Notifications</li><li>3. Click "Enable"</li></ol>
<b>Expected Result</b>	The user is returned to the Settings Screen, and message notification is enabled.

## 2.1.15 Disable message notifications

<b>Title</b>	Disable Message Notification
<b>Description</b>	Change notification setting to turn off message notification
<b>Preconditions</b>	User is in Main Screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click Settings</li><li>2. Click Notifications</li><li>3. Slide Message Notifications from On to Off</li></ol>
<b>Expected Result</b>	The user will be taken back to the main screen, and user will not receive notification message from the app.

## 2.1.16 Change profile image

<b>Title</b>	Change Profile Image
<b>Description</b>	User replaces their current profile image with a new profile image.
<b>Preconditions</b>	User is in Main Screen and is logged in.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Edit Profile"</li><li>3. Click "Change Profile Image"</li><li>4. Upload new image from device</li><li>5. Click "Save Changes"</li></ol>
<b>Expected Result</b>	The user is returned to their Profile Screen, their profile image is updated to the new image.

## 2.1.17 View help

Title	View Help
Description	User views the Help section of the application.
Preconditions	User is in the Main Screen.
Test Steps	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Settings"</li><li>3. Click "Help"</li></ol>
Expected Result	The help page is displayed on the screen for the user.

## 2.1.18 View terms of service / Privacy policy

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	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Settings"</li><li>3. Click "Application Information"</li></ol>
Expected Result	The Terms of Service/Privacy Policy page is displayed on the screen for the user.



## 2.1.19 View application information

<b>Title</b>	View Application Information
<b>Description</b>	User views the information of the application.
<b>Preconditions</b>	User is in the Main Screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Settings"</li><li>3. Click "Application Information"</li></ol>
<b>Expected Result</b>	The application information page is displayed on the screen for the user.

## 2.1.20 Send feedback

<b>Title</b>	Send Feedback
<b>Description</b>	User sends feedback for the application.
<b>Preconditions</b>	User is in the Main Screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Complete Test Case MP1<ol style="list-style-type: none"><li>a. User is at "My Profile" page</li></ol></li><li>2. Click "Settings"</li><li>3. Click "Feedback"</li><li>4. Enter in feedback and select category of feedback</li><li>5. Click "Send"</li></ol>
<b>Expected Result</b>	The user feedback is sent and the user is taken back to the Main Screen.

## 2.2 Product browsing

### 2.2.1 Bid product

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	<ol style="list-style-type: none"><li>1. Click "Bid"</li><li>2. Agree to payment obligation</li><li>3. Enter valid bid amount</li><li>4. Click "Submit"</li></ol>
Expected Result	A bid is placed for a product and the user is returned to the product details screen or the bid list screen.

### 2.2.2 Buy product

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	<ol style="list-style-type: none"><li>1. Click "Place order"</li><li>2. Choose payment method</li><li>3. Choose shipping method</li><li>4. Choose shipping address</li><li>5. Confirm payment details</li></ol>
Expected Result	A purchase for a product is successful and the user is returned to the product details screen or account main.

### 2.2.3 Sell product

<b>Title</b>	Sell product
<b>Description</b>	User puts up an item to sell
<b>Preconditions</b>	User is logged into a seller account. User is at the product information fill out screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Tap "Sell"</li><li>2. Fill out product name</li><li>3. Upload product picture</li><li>4. Fill out product details</li><li>5. Fill out sell price</li><li>6. Click "Done"</li></ol>
<b>Expected Result</b>	Product is uploaded for sale and the item is available for purchase to buyer accounts.

### 2.2.4 Search product

<b>Title</b>	Search product
<b>Description</b>	User attempt to find a specific product.
<b>Preconditions</b>	User is in the product browsing screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. User touch and drags the screen down.</li><li>2. With their finger still on the phone, they drag their finger to the left and let go</li><li>3. Search bar will display and user can input a product name for searching.</li></ol>
<b>Expected Result</b>	User has searched for a product they were looking for.

### 2.2.5 Filter products

<b>Title</b>	Filter products
<b>Description</b>	User wants to filter products based on certain type or style
<b>Preconditions</b>	User is in the product browsing screen.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. User drags down menu from top</li><li>2. User selects or fills out type or style to filter</li><li>3. Check if relevant products show for the filtered list</li></ol>
<b>Expected Result</b>	User is viewing only the relevant filtered items.

### 2.2.6 Add to favorites

<b>Title</b>	Add to favorites
<b>Description</b>	User want to add a product to their Favorites list
<b>Preconditions</b>	User is logged in, and user is in the product screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click Add To Favorite icon</li><li>2. Click Yes To confirm add</li></ol>
<b>Expected Result</b>	User is still view the Product Detail screen, and user can view the item in the Favorite List

## 2.3 Peer to Peer

### 2.3.1 Message seller

<b>Title</b>	Message seller
<b>Description</b>	Send a message to the seller of an item
<b>Preconditions</b>	User must be logged in and in the seller's profile of an item
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Click on "message seller" from the seller profile screen.<ol style="list-style-type: none"><li>a. A new page with a textbox appears.</li></ol></li><li>2. Message is written.<ol style="list-style-type: none"><li>a. The message should be under the character limit of 140.</li></ol></li><li>3. Message is temporarily saved.</li><li>4. User sends the message.<ol style="list-style-type: none"><li>a. User is sent back to the seller's profile.</li></ol></li></ol>
<b>Expected Result</b>	Message is successfully sent to the seller.

### 2.3.2 Message buyer

<b>Title</b>	Message buyer
<b>Description</b>	Responding to the buyer interested in the item.
<b>Preconditions</b>	User must be logged in.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. User has received messaged about the item they are selling.</li><li>2. Message is written by the user.</li><li>3. Message is temporarily saved.</li><li>4. Message is sent.</li></ol>
<b>Expected Result</b>	Message is successfully sent to the buyer

## 2.3.3 Report a person

<b>Title</b>	Report a person
<b>Description</b>	To send a complaint against a person to the admins.
<b>Preconditions</b>	User is in the profile of the person.
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Scroll down from the person's profile.</li><li>2. Click on "Report."</li><li>3. Click on the list of available offenses.</li><li>4. Choose what offense matches what the person did.</li><li>5. Write optional sentences that happened to report this person.</li><li>6. Click "Submit."</li></ol>
<b>Expected Result</b>	A report is successfully sent to the admins.

## 2.4 System

### 2.4.1 New bid

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	<ol style="list-style-type: none"><li>1. Zapato admin Android push service is activated.</li><li>2. OAuth google account verification for Zapato app.</li></ol>
Expected Result	Android transmits signal to the server to send the signal for a notification that there is a new bid.

### 2.4.2 New message

Title	New message
Description	Notify user of a new message notification.
Preconditions	Zapato Android background service must be on.
Test Steps	<ol style="list-style-type: none"><li>1. Message is received from another device.</li><li>2. System sends an alert to the phone</li></ol>
Expected Result	Android transmits signal to the server to send the signal for a notification that a message has arrived.

## 2.5 Payment Method

### 2.5.1 Choose a payment method and confirm order

<b>Title</b>	Choose payment and confirm order
<b>Description</b>	Choose money method used to transfer money to seller
<b>Preconditions</b>	User is in the purchase screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Select payment type.</li><li>2. Fill out card detail or paypal or similar payment account</li><li>3. Finish purchasing a product.</li></ol>
<b>Expected Result</b>	Payment gets processed and appears on billing of buyer and seller. Email confirmation is sent.

### 2.5.2 Choose a shipping address

<b>Title</b>	Choose shipping address
<b>Description</b>	Choose shipping address for purchase
<b>Preconditions</b>	User is in the purchase screen
<b>Test Steps</b>	<ol style="list-style-type: none"><li>1. Select address already in the previous or fill out a new address to ship to.</li><li>2. Finish purchasing a product</li></ol>
<b>Expected Result</b>	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.