



# *Ahsanullah University of Science and Technology*

## **Department of CSE**

### **Project Report**

**Course Number : 2200**

**Course Name : Software Development-3**

**Project Name : T-WARDROBE**

**Section : B-2**

### **Submitted to**

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# T-WARDROBE

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## PROJECT NAME: T-WARDROBE

### PROJECT MOTIVATION :

“T-Wardrobe” project is sort of a virtual store of various collections of t-shirts. Nowadays, young people are attractive to wear on trendy designed t-shirts. Because of the famous tv-shows & movies, the characters create huge impacts on the spectators. Thus, they want to express those in special ways. For the trendsetters & the trendy, this project will be built up. T-Wardrobe is a retail online shopping zone in Dhaka. For making life more easier & reliable, we provide quality goods & services to the doorstep of our honourable customers. In today’s competitive market we challenge of providing better product at comperative low rate. On spot easy return service allow customer to experience shopping at home feel like shopping at mall.

### FEATURES :

- User Registry: User can create his/her account using valid information.
- User Profile: User can login with authentication personal login information.
- Reset Password: User can reset the password by using a valid e-mail id.
- Navigation Bar: For accessing fast.
- Collection: Spectacular designs of renowned tv-series,movies,quotes,sports,music etc.
- Database Update: Product images has been shown from real-time database.For product availability,sizes issues.
- Popular Items: Top products are being shown on the banner list by one after one.
- Notification Bell: This task hasn’t completed. After being succeed,user will get notification after confirming order,about new products.
- Size Options: Users can select any desired size of their selected products.
- My Cart: This task hasn’t completed. After being succeed,users can view,select & accumulate their products in the cart, from where they can order later.

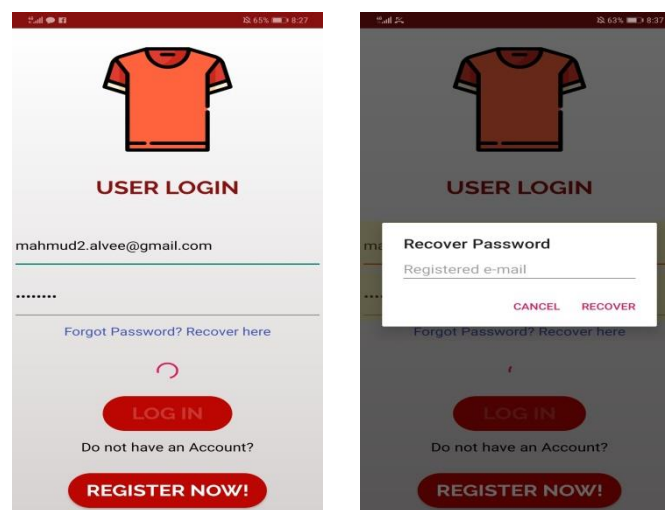
- Payment & Delivery: Digital bill receipt will be sent in user mail.Cash On delivery method. Delivery will be provided by a secured & convenient service.
- Easy Return: If customer gets issues with the product, they can return back with zero cost.

### Description of Activities :

At first app is started its intro page by a splash activity with horizontal progressbar.After 500ms,it jumps to the login activity.



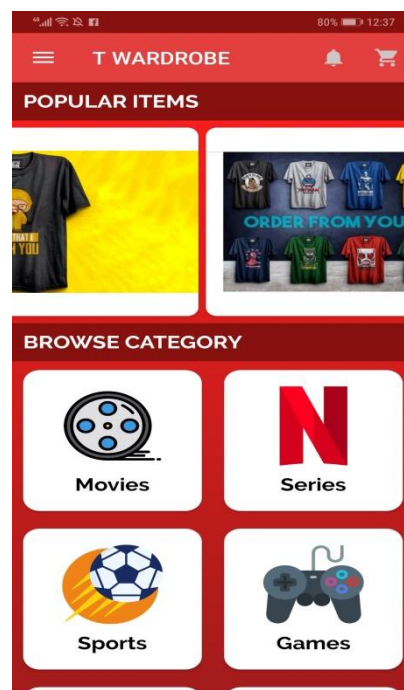
- Login Activity : Now it will jump to login activity.In login activity,2 editText fields.Both of them has validation check-ups, filling up correct informations & pressing LOGIN button, a progressbar will be seen, Login button will be disabled(because of blocking the Login same user more than 1 time)& app will jump to MainActivity.If user forget the password,he could be able to reset password by his mail address.



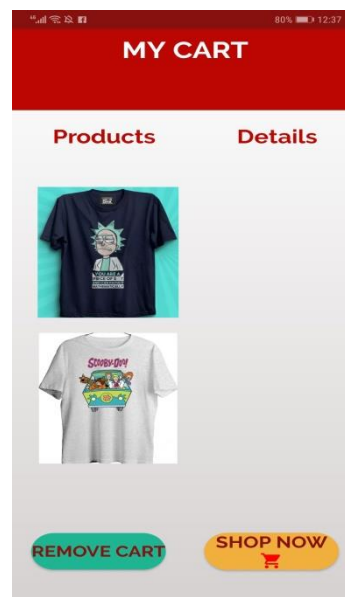
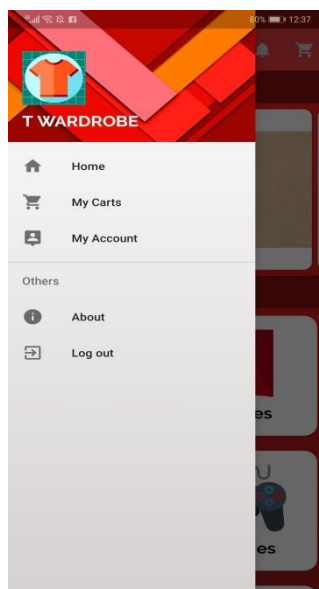
- Registration Activity : This activity contains 4 editTexts with validation checks. Filling up with proper(valid) informations & pressing Registration button, a progressbar will be seen, registration button will be disabled(because of blocking the registry same user more than 1 time) & app will jump to MainActivity. In Fairebase authentication data part a field had been created named 'USERS', where all the data for this activity, stores.



- Main Activity : MainActivity contains navigation bar, Home fragment & action bar. In action bar, exist 2 icons- Notification bell & Cart icon. The logical part of this two icon hasn't been finished. 'Popular Items' is a slideshow banner, where the currently top selling & new arrival products are displayed. In browse category, menu items has been done by cardview. By clicking, activity will switch to separate items of collections.

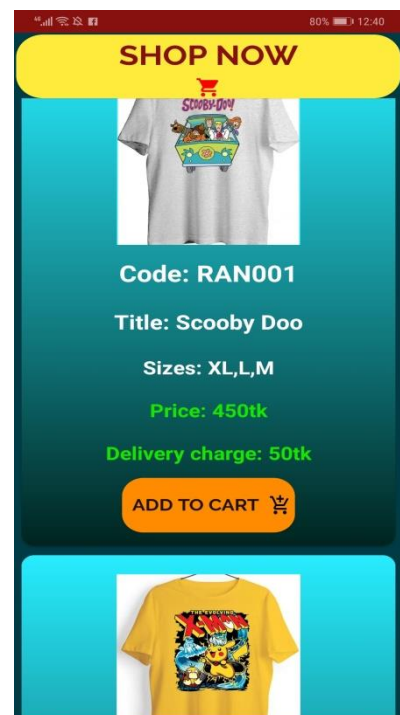
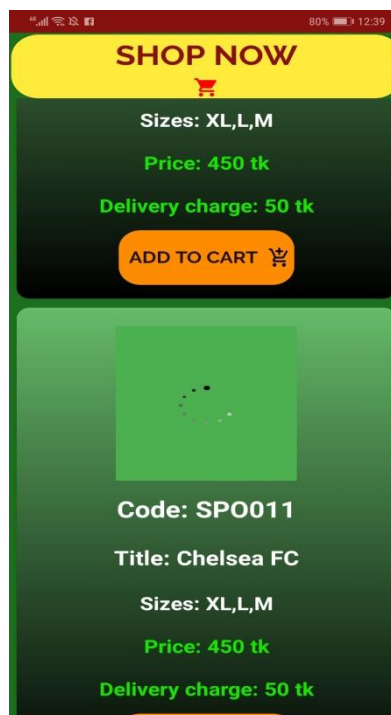


- **Navigation bar** : In the navigation header the app icon is displayed. Below the header @ groups has been divided; Home, My carts, My account & other group- About, LogOut. By clicking on these, MainActivity jump to the following activities. On the activity myCart & myAccount the product segment hasn't been completed yet. By clicking on Shop Now button, activity will switch to activity Order Now. In activity About, few details of this app is given by textfield using String, below that the app's availability places also mentioned by ImageView. By clicking Home, Navigation bar closes. By clicking Log out, the app returns to Login activity for accessing the app as different user.



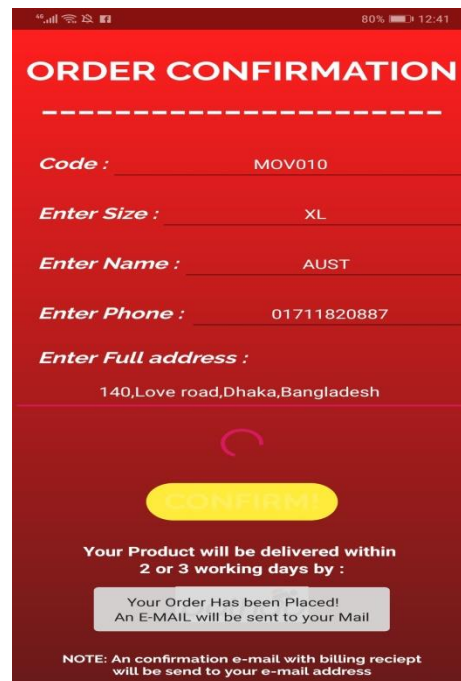
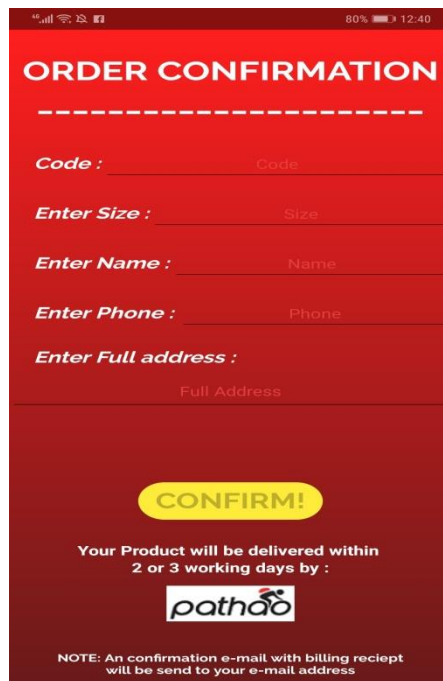
➤ Activity (Movies, Series, Sports, Games, Music, Quotes & Random) :

By accessing in Home fragment's all the menu different activities will pop-up by clicking their category names. In all the activities, a common structure has been followed. all the items are shown in recyclerview & each of them separated by cardview. Each cardview contains 7 (vertical) fields- ImageView, TextView(Code), TextView (Description), TextView (Sizes), TextView (Price), TextView (Delivery Charge) & a button (Add to cart). For every field is being filled up with real time database of firebase. In the product image we've put an loading image, so that the display looks more interesting. On the top of the recyclerview in every category activities, a common button named 'SHOP NOW', which will lead the user to activity Confirm order & to buy desired products.



➤ Activity Order now :

In Order Confirmation page 5 editText has been showed. All of the textfield has a hint & title names of every fields check the proper quantity of string. After these a progressbar & a CONFIRM button has been shown. But both of them is disabled at first sight. After providing all the information of the textfields, CONFIRM button will be enabled to click. By clicking the button The progressbar will also be pop-up & until the information stores in Firebase authentication data part, a field had been created named 'ORDERS' will store all the textviews (cod ,size ,name ,phone ,address) ; the progressbar will be continued. After completing storing these tasks ,a toast message will be shown in your screen, that you'll be receive a confirmation mail with billing address .The activity will again jump to MainActivity.



### **Database :**

Database: We have used firebase database for our project. Because the use of firebase is much more easy than sqlite. Plus, its more popular. As our project is about t shirts and showing the contents of it, database is needed mainly. To keep update on every products availability,available sizes, new collections etc.By using real time database it became more suitable for users. We first saved our users email id and name during register. We used firebase to upload our product content using real-time database. Than in case to order our customers pre order, we saved the order using cloud firestore..

### **Future Works :**

As the project submission has been done, but our project is not hundred percent completed. In future we want to fix those problem issues, especially the cart system. Now, we user can see the updates on app because of database can control these. But its restricted to work in database because of sensitivity. In near future ,we will include an admin version in this app, so that admin can controls the database through the App without entering the database.



**THANK YOU**