

```

fields
- final TAG: String
~ progressBar: ProgressBar
- mAuth: FirebaseAuth
- mAuthListener: AuthStateListener
- mRegister: Button
- email: String
- password: String
- passwordVerification: String
- username: EditText
- pass: EditText
- passVerification: EditText
- firstname: EditText
- lastname: EditText
- isRegistrationClicked: boolean
constructors
methods
# onCreate ( savedInstanceState: Bundle ): void
+ onSaveInstanceState ( outState: Bundle, outPersistentState: PersistableBundle ): void
+ onRestoreInstanceState ( savedInstanceState: Bundle, persistentState: PersistableBundle ): void
+ onStart(): void
+ onStop(): void
- createAccount(): void
- sendVerificationEmail(): void
+ finish(): void
- setViews ( val: boolean ): void

```

```

fields
- final TAG : String
- loginButton : Button
- user : EditText
- pass : EditText
- newUser : TextView
- resetPassword : TextView
- username : String
- password : String
- mAuth : FirebaseAuth
- mAuthListener : AuthStateListener
~ progressBar : ProgressBar
constructors
methods
# onCreate ( savedInstanceState : Bundle ) : void
+ onStart () : void
+ onStop () : void
+ signIn ( email : String , password : String ) : void
- setInputs ( val : boolean ) : void

```

```

fields
+ final TAG : String
~ shoppingItemView : ListView
~ adapter : ShoppingListAdapter
~ progressBar : ProgressBar
~ database : FirebaseDatabase
~ myRef : DatabaseReference
- exit : Boolean
- shoppingItems : ArrayList<ShoppingItem>
constructors
methods
# onCreate ( savedInstanceState : Bundle ) : void
+ onCreateOptionsMenu ( menu : Menu ) : boolean
+ onOptionsItemSelected ( item : MenuItem ) : boolean
+ onBackPressed () : void
+ getAllItems ( dataSnapshot : DataSnapshot ) : ArrayList<ShoppingItem>

```

+ **IndividualProd...** extends AppCompatActivity

fields

```
- final TAG : String
- quantity : int
~ ip : String
~ item : ShoppingItem
~ add : Button
~ sub : Button
~ name : TextView
~ description : TextView
~ quantityView : TextView
~ addToCart : FloatingActionButton
~ shoppingCart : FloatingActionButton
~ productImage : ImageView
~ progressBar : ProgressBar
- mAuth : FirebaseAuth
- mAuthListener : AuthStateListener
- user : FirebaseUser
~ database : FirebaseDatabase
~ myRef : DatabaseReference
- dataSnapshot : DataSnapshot
- cartItems : ArrayList<ShoppingItem>
- isEmpty : Boolean
- isItemAlreadyInCart : Boolean
~ indexOfAlreadyPresentItem : int
```

constructors

methods

```
# onCreate ( savedInstanceState : Bundle ) : void
+ onStart () : void
+ onStop () : void
~ increment () : void
~ decrement () : void
```

+ **ShoppingCartWind...** extends AppCompatActivity

fields

```
- final TAG : String
~ database : FirebaseDatabase
~ myRef : DatabaseReference
~ isEmpty : Boolean
~ priceView : TextView
- mAuth : FirebaseAuth
- mAuthListener : AuthStateListener
- user : FirebaseUser
~ totalAmount : int
~ items : ArrayList<ShoppingItem>
```

constructors

methods

```
# onCreate ( savedInstanceState : Bundle ) : void
+ onStart () : void
+ onStop () : void
- setUpShoppingCart ( dataSnapshot : DataSnapshot ) : void
- clearCart () : void
```

+ **ShoppingIt...**

implements Serializable

fields

```
- name : String
- type : String
- description : String
- price : int
- quantity : int
- productID : int
```

constructors

```
+ ShoppingItem ( productId : int , name : String , type : String , description : String , price : int , quantity : int )
```

methods

```
+ setQuantity ( quantity : int ) : void
+ getProductID () : int
+ getTitle () : String
+ getType () : String
+ getDescription () : String
+ getQuantity () : int
+ getPrice () : String
```