

# Implementing a Bottom Navigation View

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**Mitch Tabian**

Twitter: @mitch\_tabian

Website: [codingwithmitch.com](https://codingwithmitch.com)

Youtube: [youtube.com/c/mitchtabian](https://youtube.com/c/mitchtabian)

Instagram: [mitch.tabian](https://instagram.com/mitch.tabian)



# Navigation Methods



**Module\_4/start/TabianDating**



# Implementing Navigation View

Use a navigation bar on the bottom?

Use on the top?

Activities or fragments?

Swipe?

Customization?

Save state?



# Setting up a Bottom Navigation View

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# Fragments and Bottom Navigation Views

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# Why Fragments?

## **Save the state of each item**

- Avoid view disruptions

## **Communication between navigation items**

- Interface routed through MainActivity



# Settings Widgets with Data from a Bundle

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# Navigating to a Private Chatroom

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# Module Review

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# Implementing Navigation View

## Best practice way to set up a Navigation View

- There is no “best” way
- Aim for the best user experience



# Fragments



**Save the state of each navigation item**

**Communication using an interface**

**Transition animations**

**BottomNavigationViewEX**

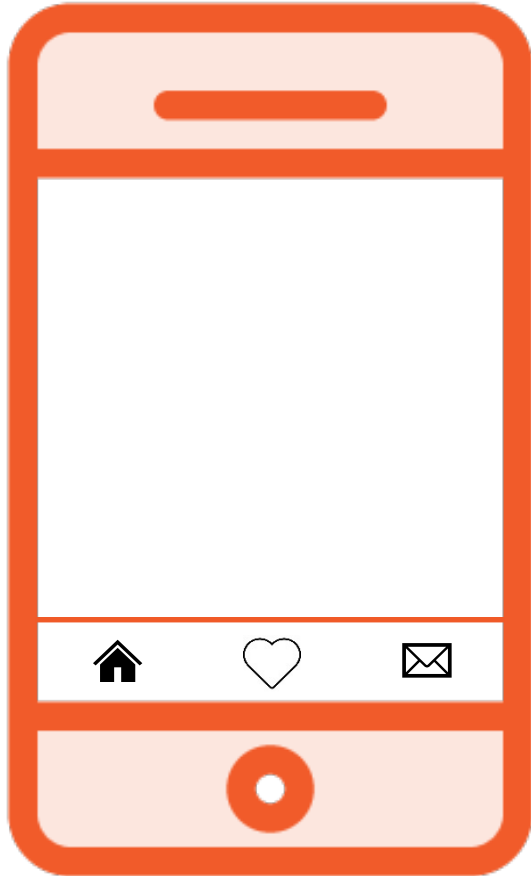
# bottom\_navigation\_view.xml

Menu

```
<item
    android:id="@+id/bottom_nav_home"
    android:icon="@drawable/ic_home_grey"
    android:layout_centerVertical="true"
    android:title="" />
<item
    android:id="@+id/bottom_nav_connections"
    android:icon="@drawable/vector_heart_grey"
    android:layout_centerVertical="true"
    android:title="" />
<item
    android:id="@+id/bottom_nav_messages"
    android:icon="@drawable/ic_messages"
    android:layout_centerVertical="true"
    android:title="" />
```



# New Fragments



**SavedConnectionsFragment**

**MessagesFragment**



# Inflating ViewProfileFragment

```
public interface IMainActivity {  
  
    void inflateViewProfileFragment(User  
user);  
  
    void onMessageSelected(Message  
message);  
}
```

```
@Override  
public void inflateViewProfileFragment(User user) {  
  
    ViewProfileFragment fragment = new ViewProfileFragment();  
  
    Bundle args = new Bundle();  
    args.putParcelable(getString(R.string.intent_user), user);  
    fragment.setArguments(args);  
  
    FragmentTransaction transaction =  
getSupportFragmentManager().beginTransaction();  
    transaction.replace(R.id.main_content_frame, fragment,  
getString(R.string.tag_fragment_view_profile));  
  
transaction.addToBackStack(getString(R.string.tag_fragment_view_profi  
le));  
    transaction.commit();  
}
```



# ViewProfileFragment

```
@Override
public void liked(LikeButton
likeButton) {
    Log.d(TAG, "liked: liked");
}
```

```
@Override
public void unLiked(LikeButton
likeButton) {
    Log.d(TAG, "unLiked: unliked.");
}
```

```
@Override
public void onCreate(@Nullable Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    Bundle bundle = this.getArguments();
    if(bundle != null){
        mUser =
        bundle.getParcelable(getString(R.string.intent_user));
        Log.d(TAG, "onCreate: got incoming bundle: " +
        mUser.getName());
    }
}
```



# Inflating ChatFragment

```
public interface IMainActivity {  
  
    void inflateViewProfileFragment(User  
user);  
  
    void onMessageSelected(Message  
message);  
}
```

```
@Override  
public void onMessageSelected(Message message) {  
    ChatFragment fragment = new ChatFragment();  
  
    Bundle args = new Bundle();  
    args.putParcelable(getString(R.string.intent_message),  
message);  
    fragment.setArguments(args);  
  
    FragmentTransaction transaction =  
getSupportFragmentManager().beginTransaction();  
    transaction.replace(R.id.main_content_frame, fragment,  
getString(R.string.tag_fragment_chat));  
  
transaction.addToBackStack(getString(R.string.tag_fragment_cha  
t));  
    transaction.commit();  
}
```





Up  
Next

**Implement a navigation drawer**

