savedInstance & object repository

Android Development
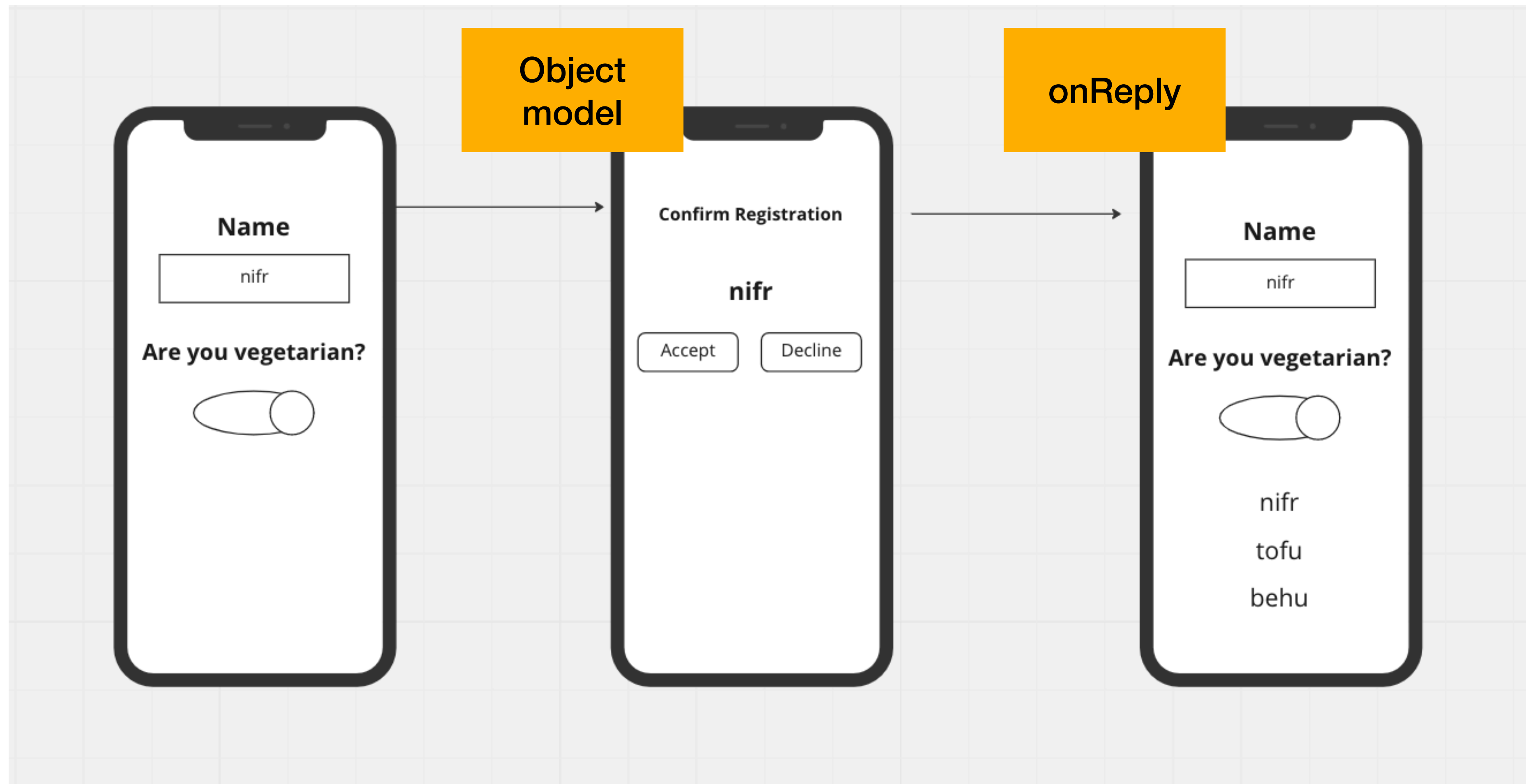
Agenda
savedInstance & Repository

- Object models of data

- Repository

- Instance Lifecycle
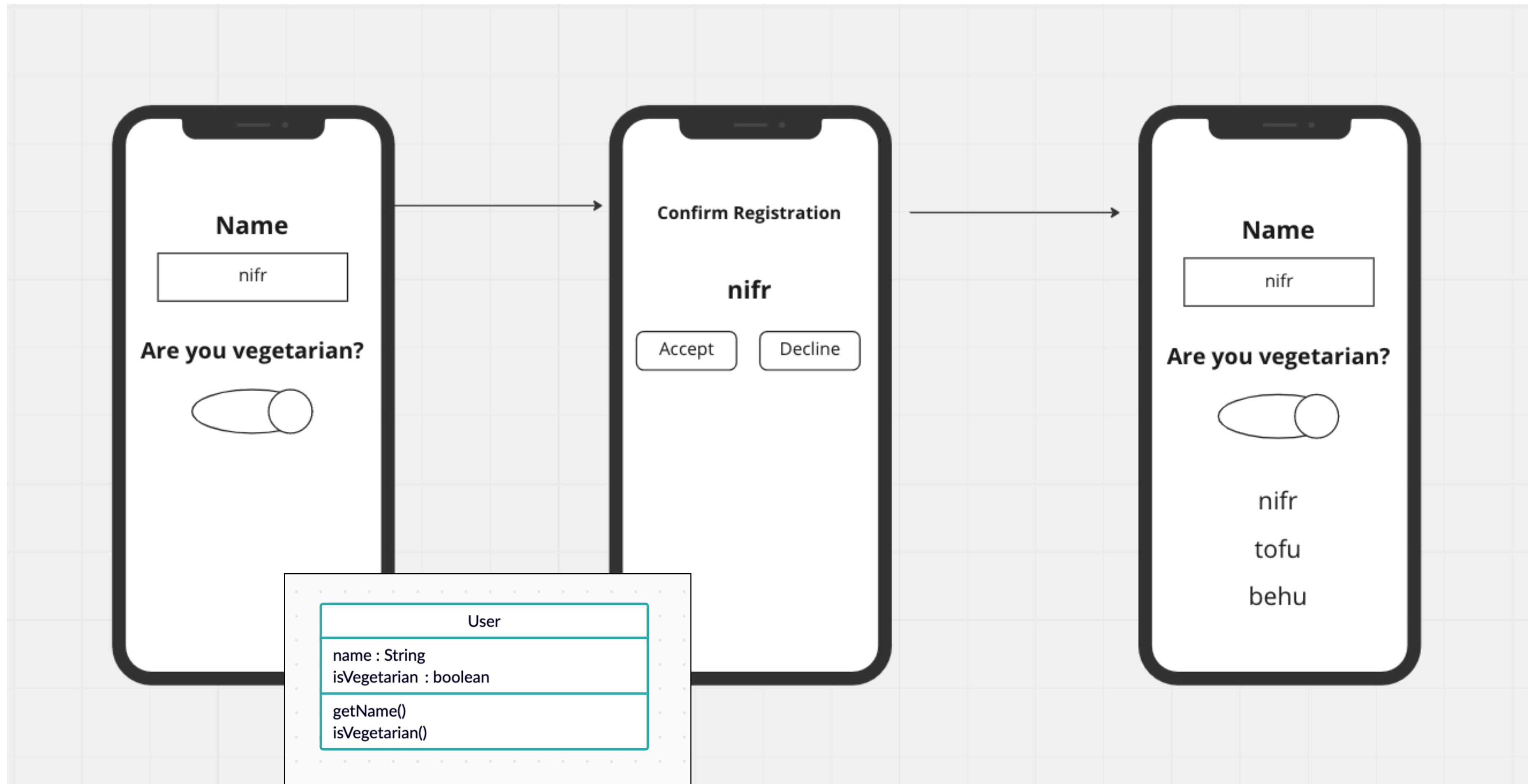
- Restoring saved instances

Exercise objective

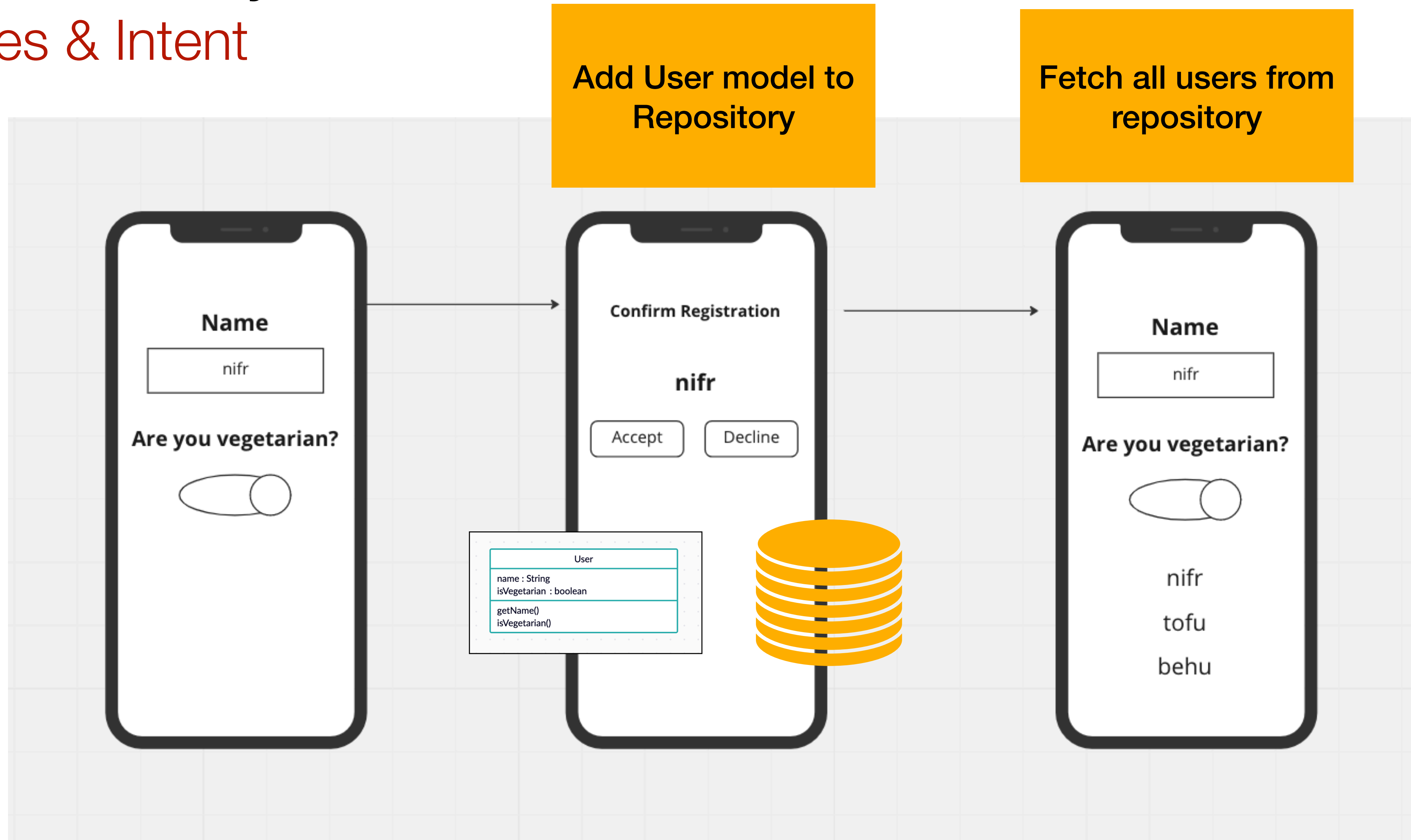Activities & Intent

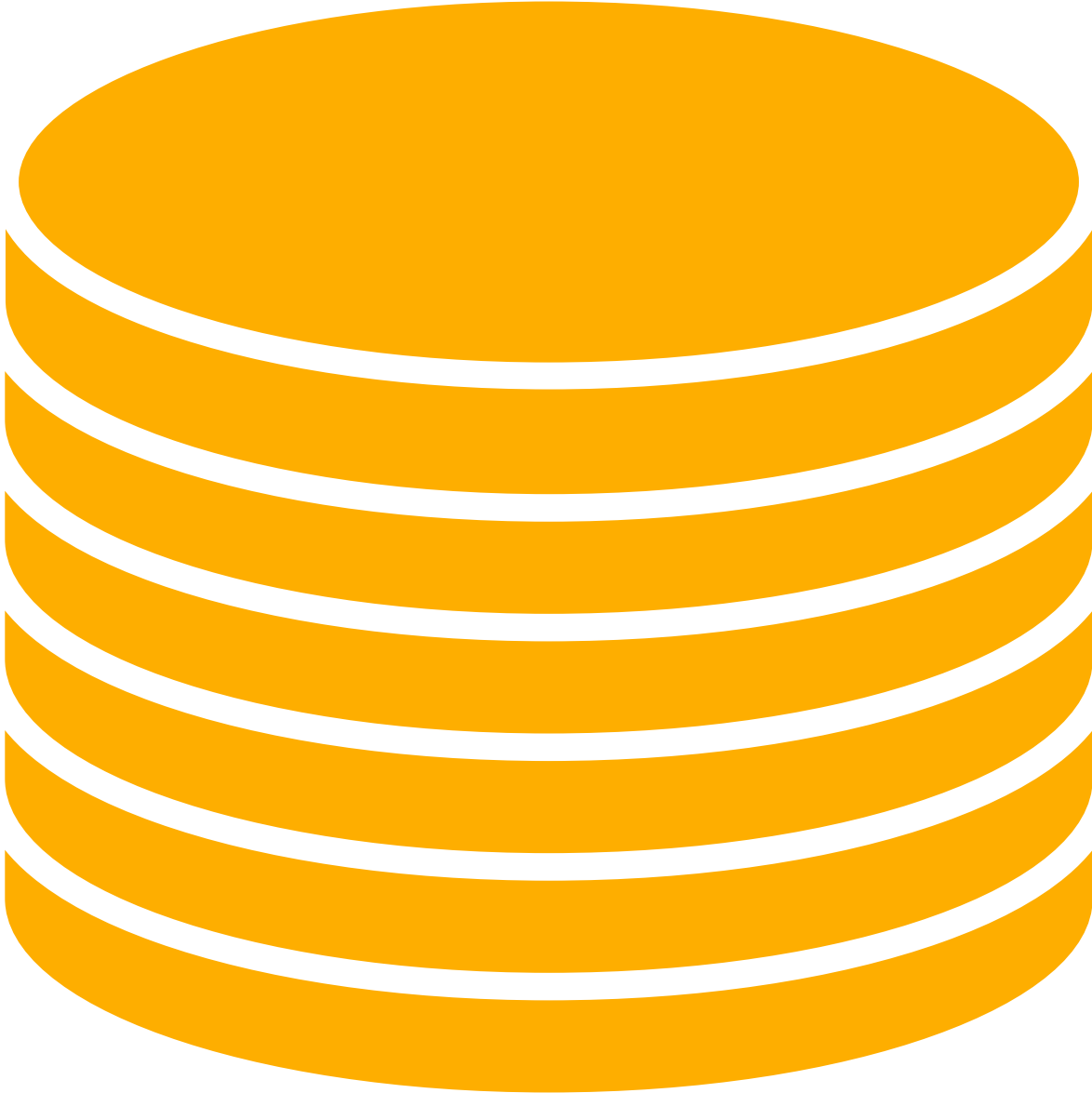# Exercise objective

Activities & Intent


```
User userFromForm = new User("Fred",true);
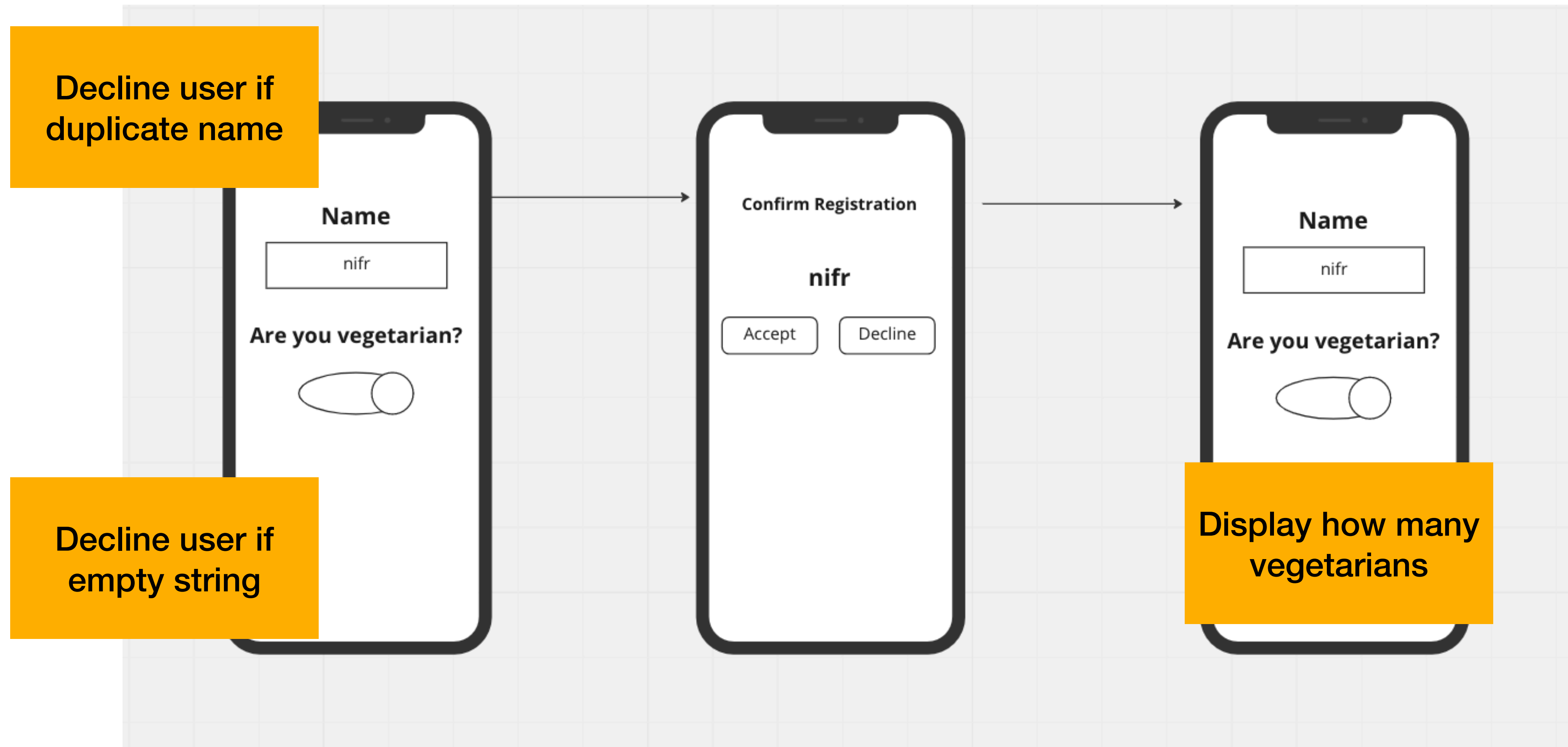```

# Exercise objective
## Activities & Intent



Add User model to Repository

Fetch all users from repository

Class: Repository

# Introduction to codebase

# Advanced objective
## Activities & Intent

# TwoActivities:
# Rotation & Destruction

# Working in a framework
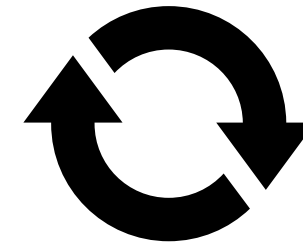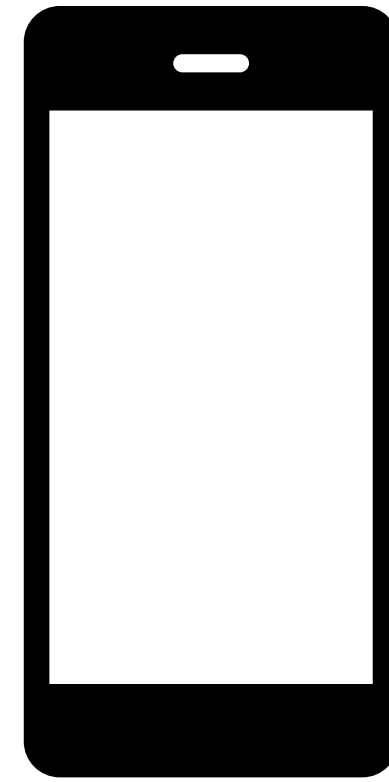## Android Studio

**"main" method**

```java
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

Life Cycle
Activities

- Activities consists of changing states

- Overriden methods are used to control the flow of action

- onCreate controls what happens when an Activity is created

```java
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
}
```


Figure 1. A simplified illustration of the activity lifecycle.

Activity
Destroyed

```java
@Override
public void onSaveInstanceState(Bundle outState) {
        //Save current state
    }
}
```