Lifestyle

By Hui Zhou, Nicole Morris, & Qi Liu

Design Lead

Nicole Morris

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EDD170

C05640

003D73

Our App

Demo

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6BD178

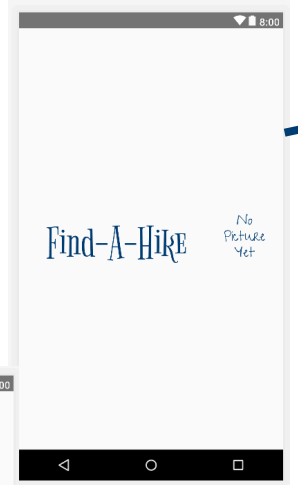
1ECFD6

Layouts

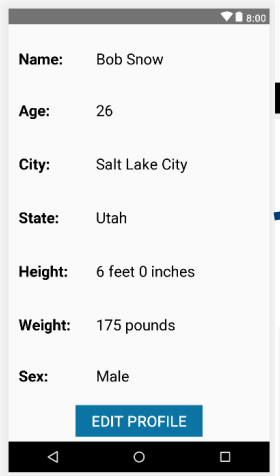
3 Activities & 16 fragments

Most Views

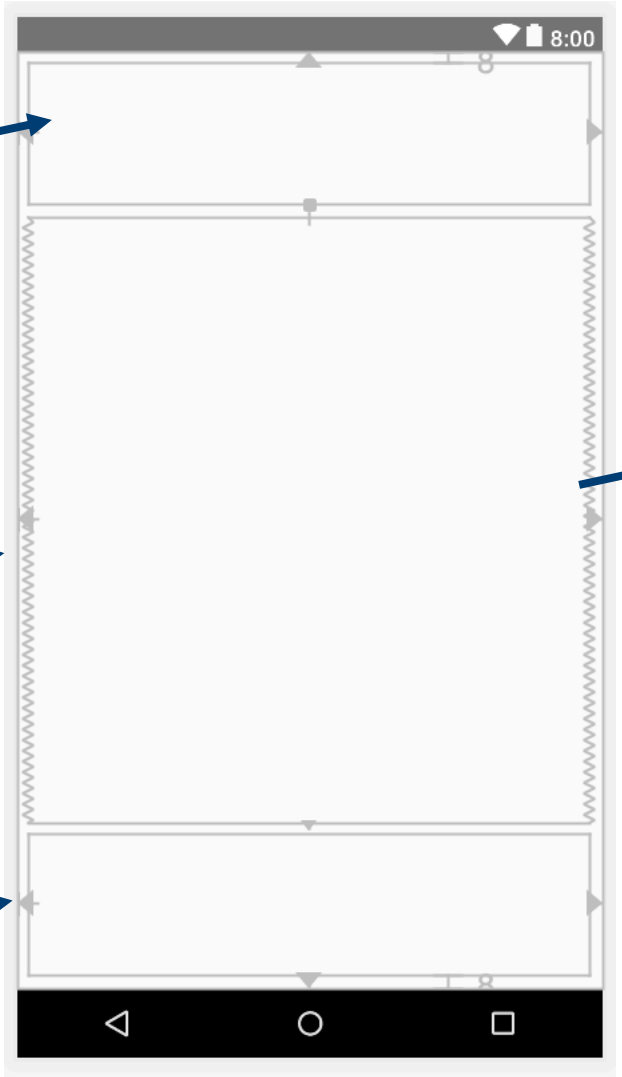
Constraint Layout

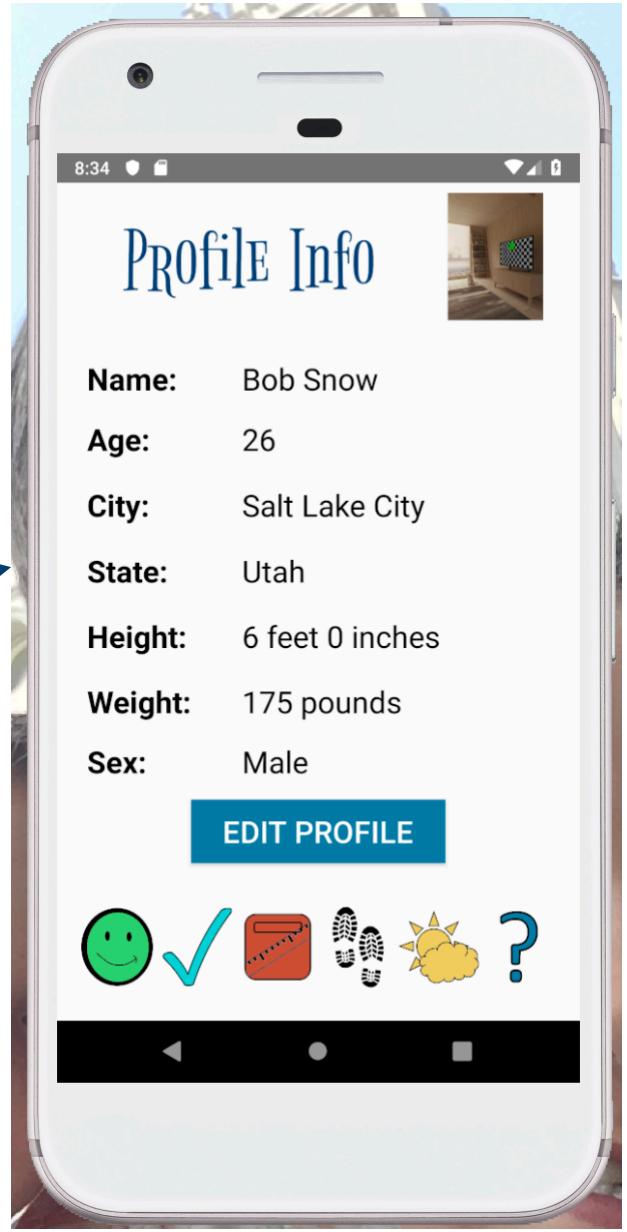


Constraint Layout



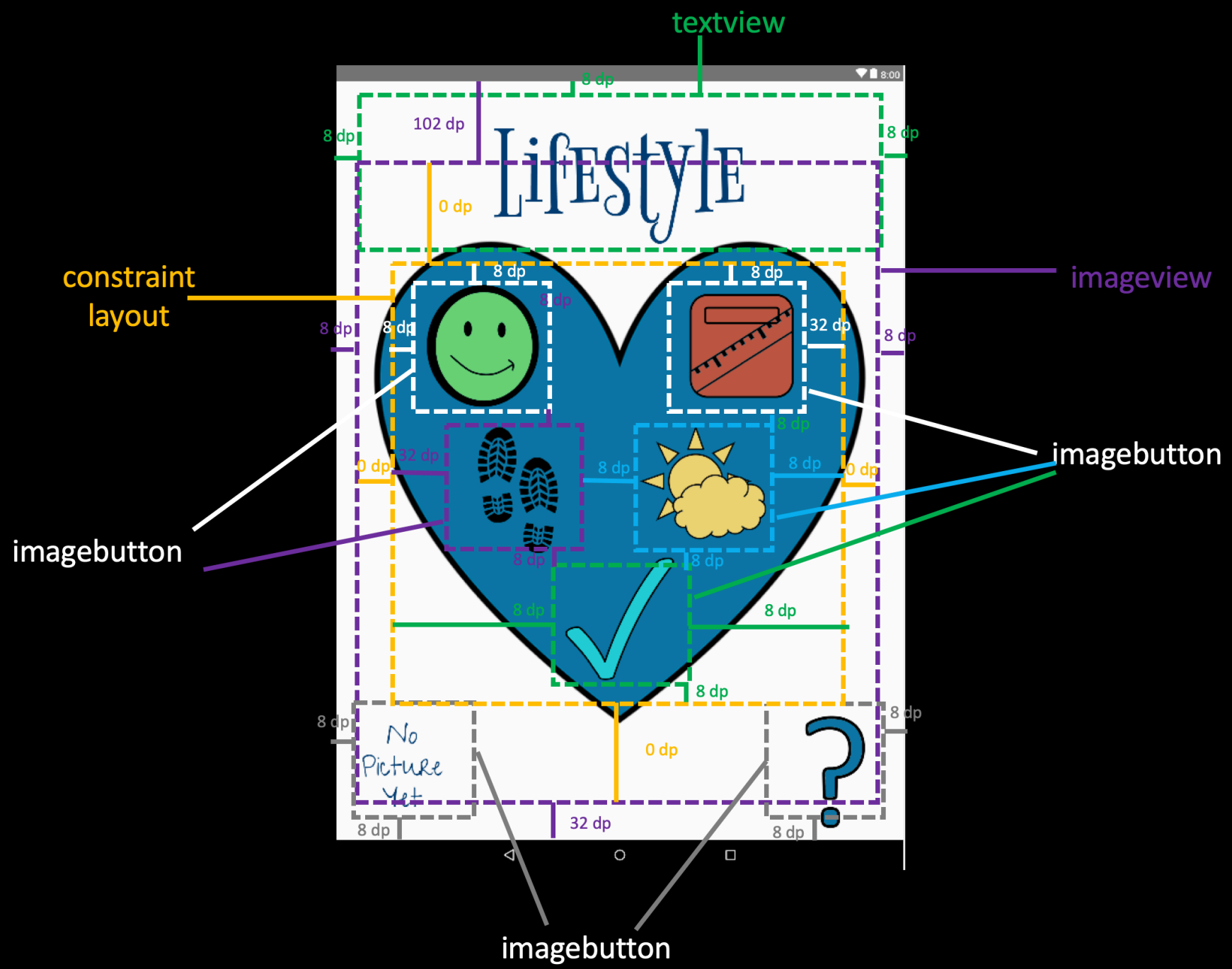
Linear Layout





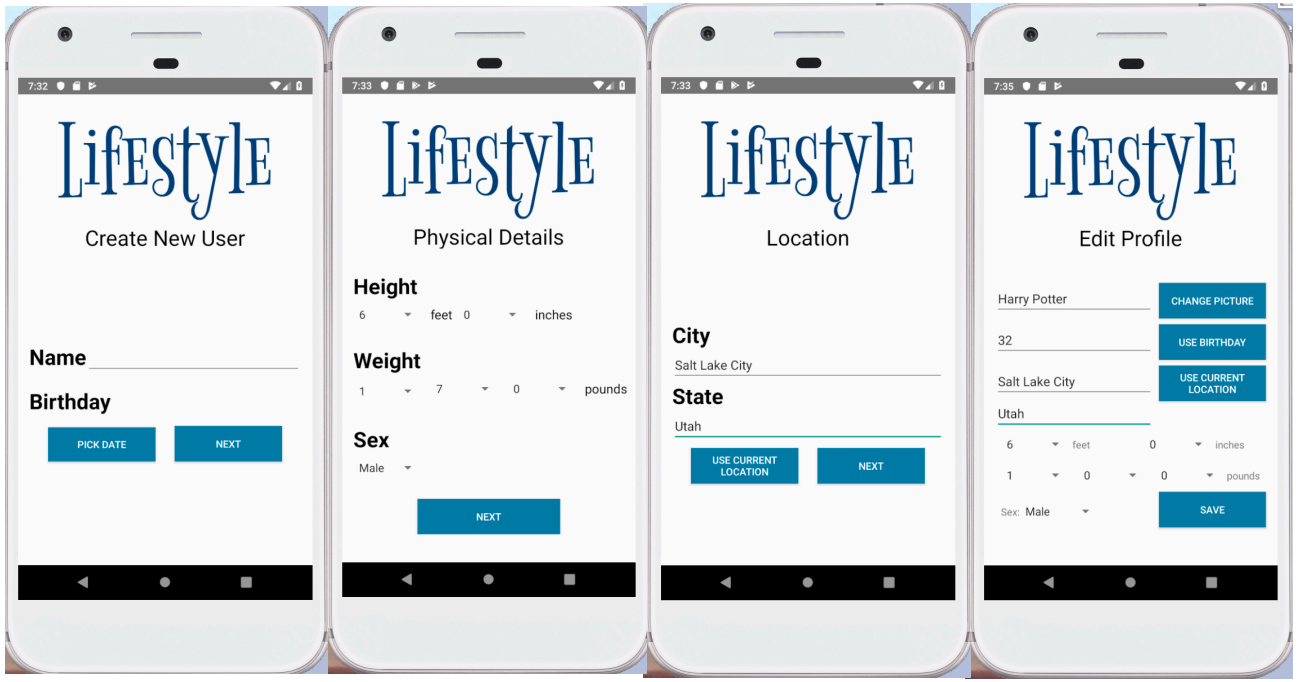
Choices Designed Fragment

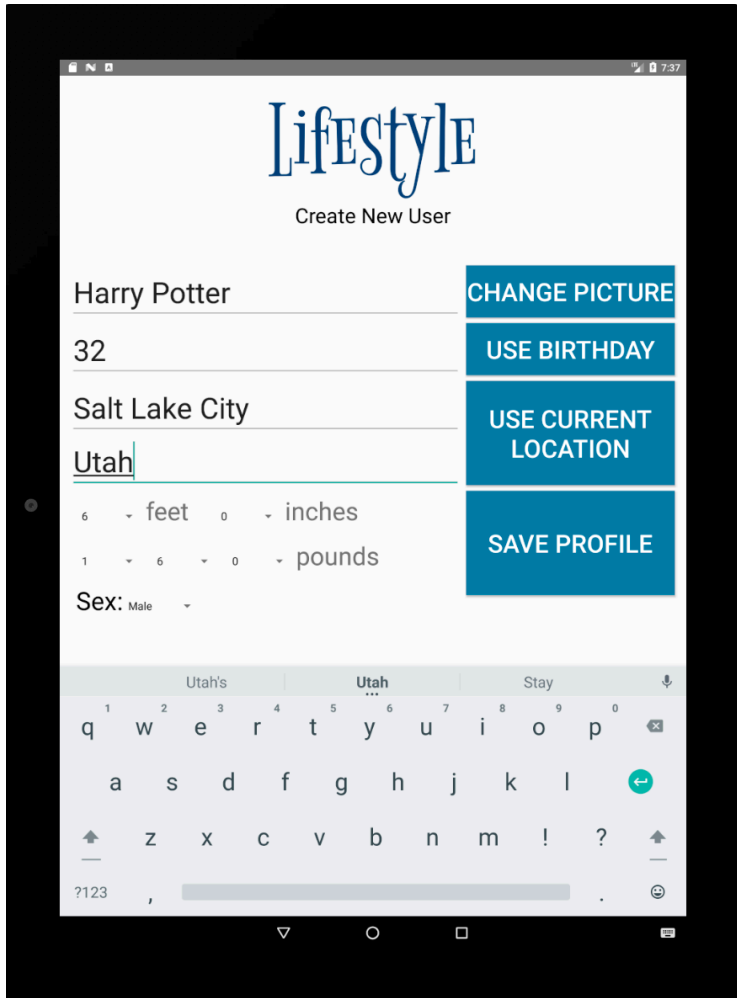
Primary Layout = Constraint Layout



Phone vs Tablet

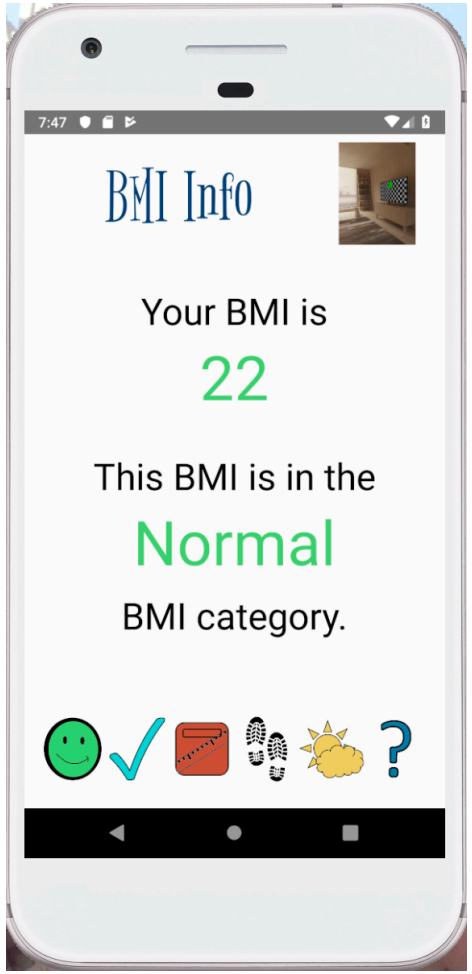
New User

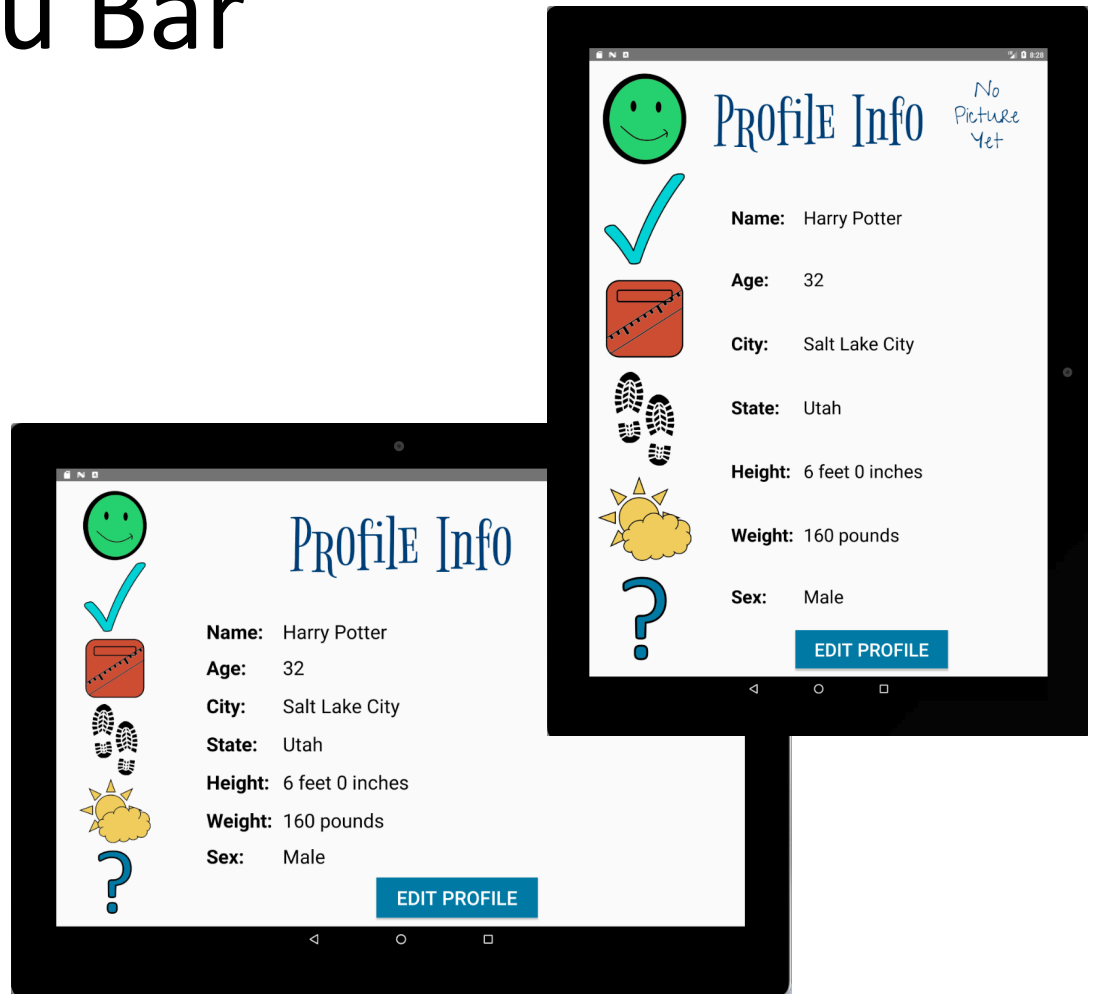




Phone vs Tablet

Menu Bar

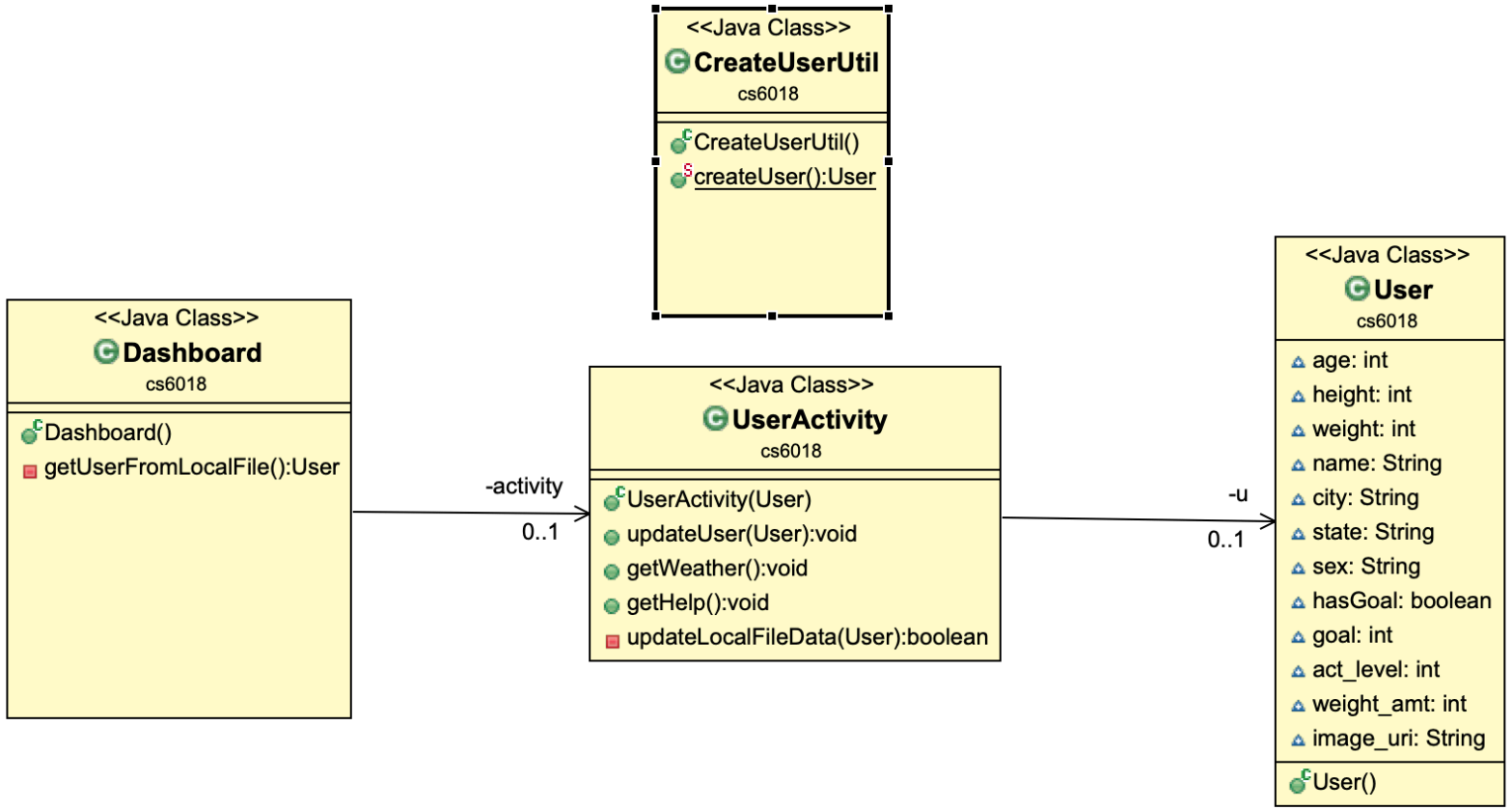




Team Lead

Qi Liu

Current Class Diagram Design



User Class

Profile Info

- int age;
- int height;
- int weight;
- String name;
- String city;
- String state;
- String sex;
- String image_uri;

User Class

Goal Info

- boolean hasGoal;
- int goal;
- int act_level;
- int weight_amt;

User Class

BmiInfo

- int amount
- int category

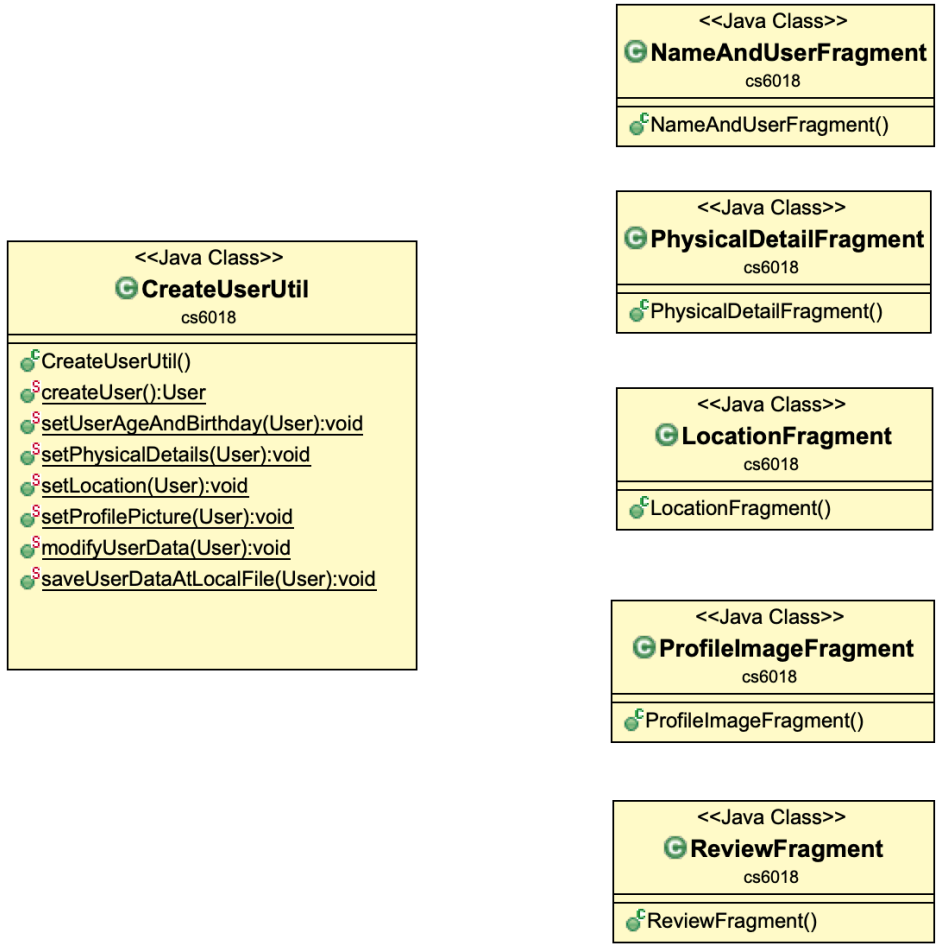
User Class

```
public String getName() { return this.name; }
public int getAge(){return this.age;}
public int getFeet(){return this.feet;}
public int getInches(){return this.inches;}
public String getCity(){return this.city;}
public String getState(){return this.state;}
public int getWeight(){return this.weight;}
public String getSex(){return this.sex;}
public boolean checkGoal() {return this.hasGoal;}
public Integer getGoal() {return this.goal;}
public Integer getAct_level() {return this.act_level;}
public Integer getWeight_amt() {return this.weight_amt;}
public int getHeight() { return 12*feet + inches; }
public String getUri() { return this.uri;}
public void setUri(String uri) {this.uri = uri;}
```

CreateUser Util Method

```
public static User createUser() {
    User u = new User();
    //Get set value from user input
    u.setUserNameAndAge( String name, int age);
    u.setPhysicalDetails();
    u.setLocation();
    u.setProfilePicture();
    u.modifyUserData();
    u.saveUserDataAtLocalFile();
}
```

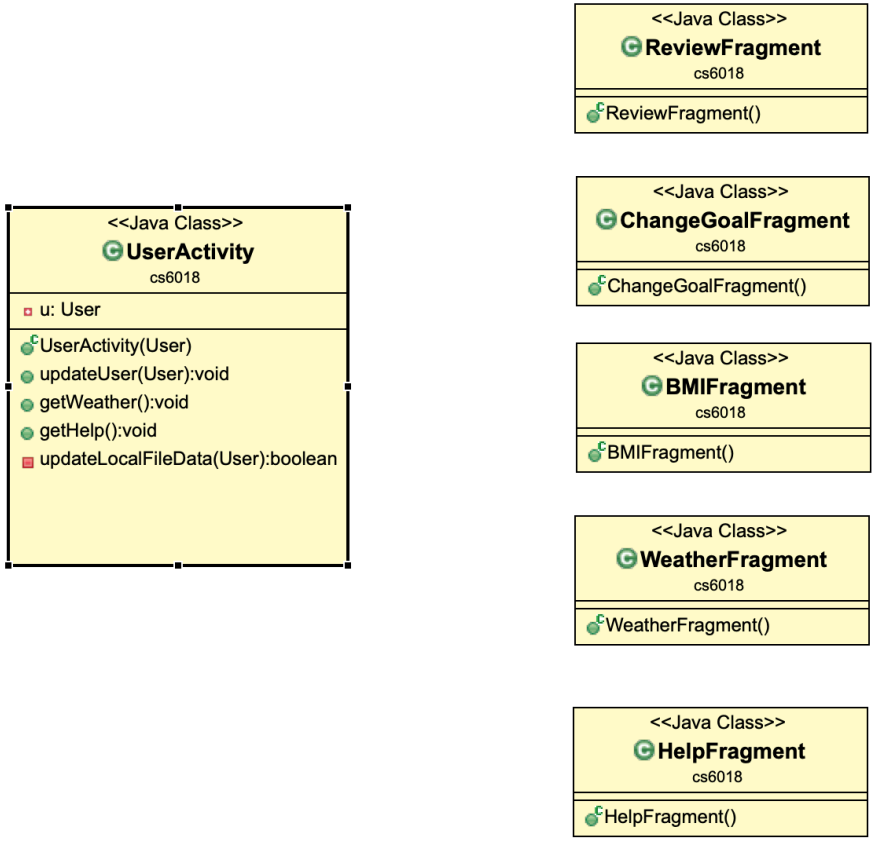
Current Class Diagram



UserActivity Class

```
User u;

public UserActivity(User u) {}

//Profile Fragment, Goal Fragment, Bmi Fragment,
public void updateUser(User u) {}

//Weather fragment
public void getWeather() {}

//Hiking
public void getHike()

//HelpFragment
public void getHelp() {}

private boolean updateLocalFileData(User u) {}
```

Current Class Diagram



Dashboard Class

```
UserActivity  userActivity;

public Dashboard() {
        User u = getUserFromLocalFile();
        if (u == null) {
                u = CreateUserUtil.createUser();
        }
        activity = new UserActivity(u);
}

private User  getUserFromLocalFile() {}
public void  operateOnProfile()
public void  operateOnGoal()
public void getHike()
public void getWeather()
```

Class Diagram Update

Extensibility

- OOD?
- Multiple User logged In?
- Database?

User Class

```
Profile profile;
Goal goal;
BMI bmi;

public User() {}
public Profile getProfile() {}
public BMI getBMI() {}
```

Profile Class

```
int age;
int height;
int weight;
String name;
String city;
String state;
String sex;
String image_path;

//set and get methods
```

```
String goalType;
int amount;
int avtivity_level;


//set and get methods
```

Goal Class

BMI Class

```
int amount;
String category;

public void setBMI(Profile p){}

//set and get methods
```

UserActivity Class

User u

public void updateProfile(Profile p) {}

Public void updateBMI(BMI bmi){}

Public void updateGoal(Goal goal){}

Dashboard Class

```
UserActivity  userActivity;
List<User> users;
public Dashboard() {
        users = getUserFromLocalFile();
        if (u == null) {
                u = CreateUserUtil.createUser();
                users.add(u);
        }
        activity = new UserActivity(users.get(0));
}
public  void addUser();
public void chooseUser();
private User  getUserFromLocalFile() {}
public void  operateOnProfile()
public void  operateOnGoal()
public void getHike()
public void getWeather()
```

Test Lead

Hui Zhou

Test:

1. Local toast, Log.d() and assertion:

   Goal: above 2 pounds / Profile: input height and weight ==0 / nothing selected/ passed…

   Profile: getArgument() assert not returning null…

   BMI: user info passed is not null…

2. Instrumented test (activity):

   NewUser button to switch fragments displayed properly

3. Unit test:

   Weather: can get something back from the url

Questions?