DUDE, Where's My Spot?

By Jovanny Perez, Anthony Barrios, Karissa Schick, Areli Muñoz, Matthew Cowans

Images/Hours of Operation


```java
// get hours of operation and image title in query
ResultSet imageHours = stmt.executeQuery("select hours, image from lot where lot_id = '"+selectLot.getValue()+"';");
imageHours.next();
hoursAv.setText(imageHours.getString(1));
Image pic = new Image("images/" + imageHours.getString(2));
lotImage.setImage(pic);

} catch (Exception e1) {
```
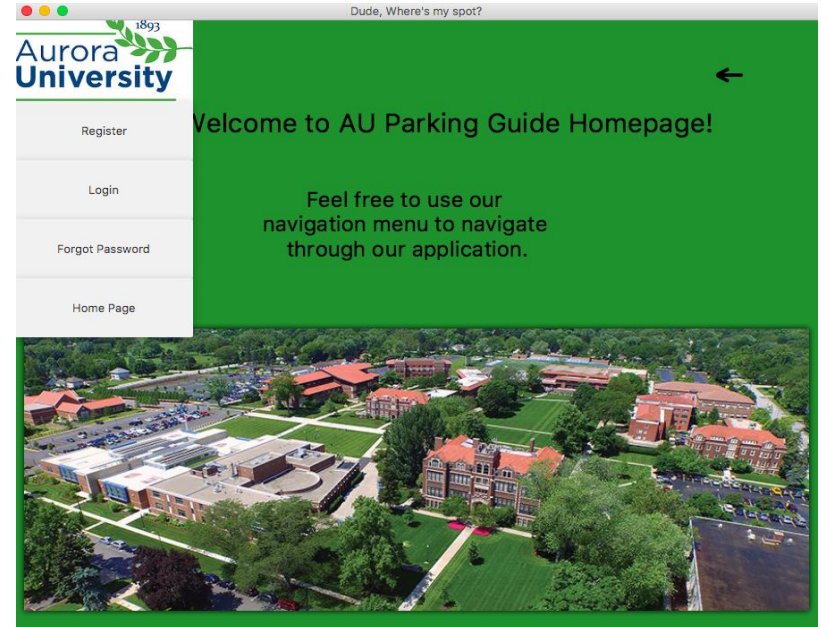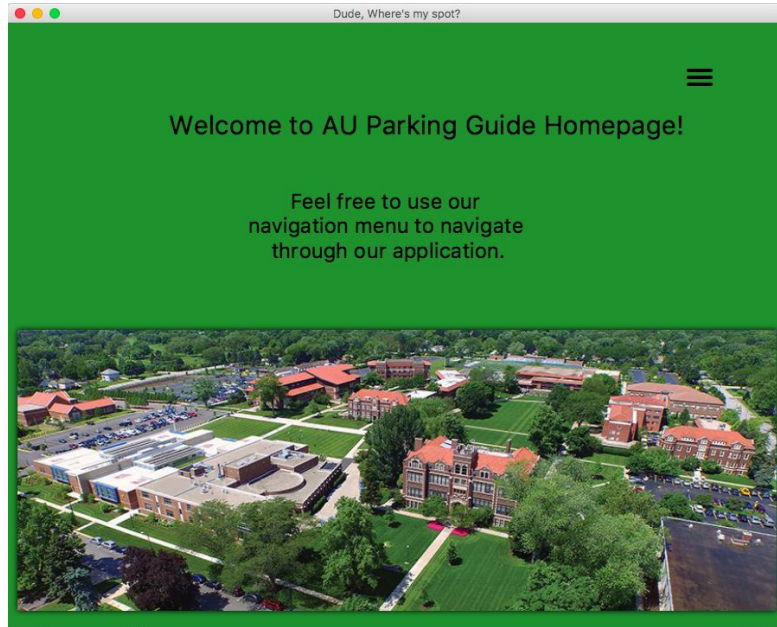
Home Page Navigation

```java
@override
public void initialize(URL url, ResourceBundle rb) {

    //Loads the side panel after the hamburger is pressed
    try {
        VBox box = FXMLLoader.load(getClass().getResource("../Screens/SidePanelContent.fxml"));
        drawer.setSidePane(box);
    } catch (IOException ex) {
        Logger.getLogger(HomeController.class.getName()).log(Level.SEVERE, null, ex);
    }
    //Transition used to create the effect when hamburger is pressed
    HamburgerBackArrowBasicTransition transition = new HamburgerBackArrowBasicTransition(hamburger);
    transition.setRate(-1);
    //Event handler when hamburger pressed
    hamburger.addEventHandler(MouseEvent.MOUSE_PRESSED,(e)->{
        transition.setRate(transition.getRate()*-1);
        transition.play();

        if(drawer.isShown())
        {
            drawer.close();
        }else
            drawer.open();
    });
}
```

Home Controller

```java
@FXML
private JFXButton b1;
@FXML
private JFXButton b2;
@FXML
private JFXButton b3;
@FXML
private JFXButton b4;

@Override
public void initialize(URL url, ResourceBundle rb) {
    b1.setOnAction(e -> {
        FXMLLoader loader = new FXMLLoader(getClass().getResource("../Screens/RegisterScene.fxml"));
        Parent root;
        try {
            root = loader.load();
            Scene scene = new Scene(root);
            Stage stage = (Stage) b1.getScene().getWindow();
            stage.setScene(scene);
        } catch (IOException e1) {
            Alert alert = new Alert(Alert.AlertType.ERROR);
            alert.setTitle("Screen Error");
            alert.setHeaderText("Screen Not found");
            alert.setContentText("The screen was not found");
            alert.showAndWait();
        }
    });
}
```
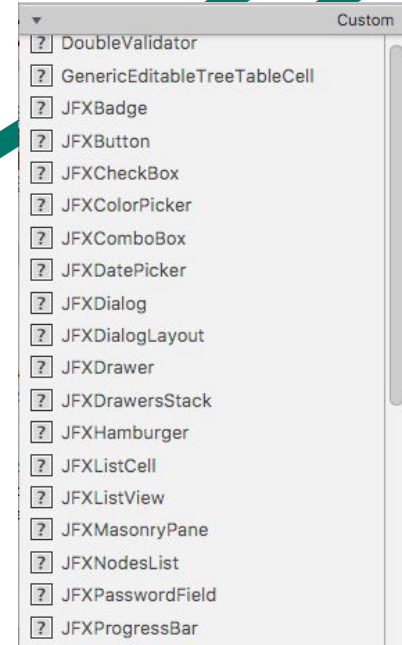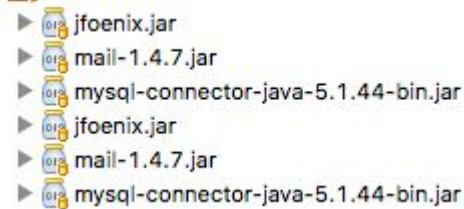
Side Panel Controller

Home Page Navigation Cont'd

Problems Encountered

Our first problems was encountered when trying to configure the home page. JavaFX needed the jfeonix jar file in order to get the hamburger and drawer menu options.

Another problem was hosting our db in a server. No solution found yet.

Summary

As of now our team is up to date with assignments and current tasks. Our next approach to this project will be updating/adding more user friendly Weather API and a JavaFX Marquee that shows events around the school for parking.

Weather API

```python
import pyowm

owm = pyowm.OWM('1906951238f29646ce8ef804bea0b524')

forecast = owm.daily_forecast("Aurora, IL")

observation = owm.weather_at_place('Aurora, IL')
w = observation.get_weather()

temperature = w.get_temperature('celsius')

tomorrow = pyowm.timeutils.tomorrow()

wind = w.get_wind()

print(w)
print(wind)
print(temperature)


print(tomorrow)
```

```
Traceback (most recent call last):
  File "weather.py", line 5, in <module>
    forecast = owm.daily_forecast("Aurora, IL")
  File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-pac
kages/pyowm/webapi25/owm25.py", line 609, in daily_forecast
    json_data = self._api.call_API(DAILY_FORECAST_URL, params)
  File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-pac
kages/pyowm/commons/weather_client.py", line 94, in call_API
    return self._lookup_cache_or_invoke_API(self._cache, url, timeout)
  File "/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-pac
kages/pyowm/commons/weather_client.py", line 58, in _lookup_cache_or_invoke_API
    raise unauthorized_error.UnauthorizedError('Invalid API key')
pyowm.exceptions.unauthorized_error.UnauthorizedError: Your API subscription lev
el does not allow to perform this operation
Reason: Invalid API key
```

owm-
japis-2.5.0.3.jar

```
Bad Response: {"cod":401, "message": "Invalid API key. Please see http://openweathermap.org/faq#error401 for more info."}

Exception in thread "main" java.lang.NullPointerException
        at weather.Weather.main(Weather.java:24)
```

JavaFX Marquee

Currently creating a JavaFX Marquee. Basically a bar that scrolls text. In our case, will show events happening around the school to warn drivers what is happening around Campus.