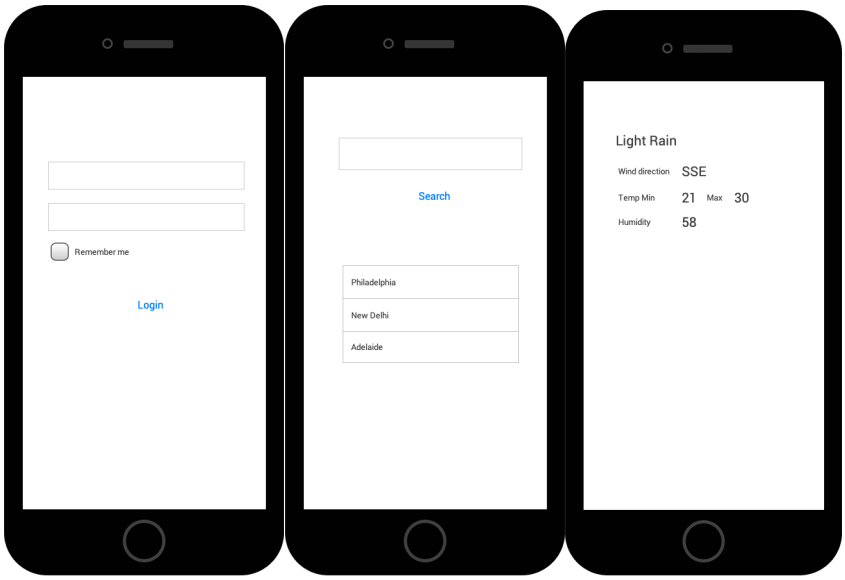
A simple app to test your coding habit including unit testing



Login screen:

- Username should be a valid email and mandatory
- Password is mandatory and should minimum 8 characters length and have at least one
    - Lowercase character
    - Uppercase character
    - Numeric character
    - Special character
- When Remember Me is checked and logged in, should remember the credentials. Populate the same next time when the app launched for sign in
    - Ensure that is stored securely in the device
- There is no API for actual authentication, so just validate the form and if everything looks fine treat that as successful sign in

Find the city:

Just send the string to below API
https://www.metaweather.com/api/location/search/?query=searchText

It's response looks like this

```
[{"title":"Philadelphia","location_type":"City","woeid":2471217,"latt_long":"39.952271,-
75.162369"},{"title":"New
Delhi","location_type":"City","woeid":28743736,"latt_long":"28.643999,77.091003"},{"title":"A
delaide","location_type":"City","woeid":1099805,"latt_long":"-34.926102,138.599884"}]
```

From the response show 'title' value of each per row.

Show weather for the selected city:

Using the woeid call this api https://www.metaweather.com/api/location/selectedWoeid/
It's response looks like

{"consolidated_weather":[{"id":5198228595146752,"weather_state_name":"Light Rain","weather_state_abbr":"lr","wind_direction_compass":"SSE","created":"2020-02-07T06:46:53.109637Z","applicable_date":"2020-02-07","min_temp":21.384999999999998,"max_temp":29.995,"the_temp":29.645,"wind_speed":5.085371665158143,"wind_direction":152.12818581855805,"air_pressure":1017.5,"humidity":58,"visibility":15.294741211325857,"predictability":75},{"id":6123627751669760,"weather_state_name":"Light Cloud","weather_state_abbr":"lc","wind_direction_compass":"SE","created":"2020-02-07T06:46:55.978078Z","applicable_date":"2020-02-08","min_temp":21.935,"max_temp":30.47,"the_temp":29.65,"wind_speed":6.148002541467164,"wind_direction":136.99643554570355,"air_pressure":1017.5,"humidity":55,"visibility":15.439520699117155,"predictability":70},{"id":6052872192000000,"weather_state_name":"Clear","weather_state_abbr":"c","wind_direction_compass":"ESE","created":"2020-02-07T06:46:59.311475Z","applicable_date":"2020-02-09","min_temp":21.645000000000003,"max_temp":28.91,"the_temp":29.240000000000002,"wind_speed":5.971667674707707,"wind_direction":110.44630380310112,"air_pressure":1012.5,"humidity":54,"visibility":15.31027549113179,"predictability":68},{"id":5901636327178240,"weather_state_name":"Clear","weather_state_abbr":"c","wind_direction_compass":"WSW","created":"2020-02-07T06:47:02.094490Z","applicable_date":"2020-02-10","min_temp":21.174999999999997,"max_temp":27.625,"the_temp":27.92,"wind_speed":4.612471492483894,"wind_direction":241.99412122044347,"air_pressure":1009.5,"humidity":60,"visibility":14.743274278215223,"predictability":68},{"id":5338686373756928,"weather_state_name":"Light Cloud","weather_state_abbr":"lc","wind_direction_compass":"SSW","created":"2020-02-07T06:47:05.005764Z","applicable_date":"2020-02-11","min_temp":17.335,"max_temp":23.725,"the_temp":22.605,"wind_speed":9.434569937524856,"wind_direction":199.88881595433371,"air_pressure":1012.5,"humidity":71,"visibility":11.660962479121928,"predictability":70},{"id":6270052649140224,"weather_state_name":"Heavy Cloud","weather_state_abbr":"hc","wind_direction_compass":"SSE","created":"2020-02-07T06:47:07.992353Z","applicable_date":"2020-02-12","min_temp":16.9,"max_temp":22.915,"the_temp":20.79,"wind_speed":7.9227083830430285,"wind_direction":166.0,"air_pressure":1014.0,"humidity":72,"visibility":9.999726596675416,"predictability":71}],"time":"2020-02-07T17:43:18.931714+10:30","sun_rise":"2020-02-07T06:41:25.942751+10:30","sun_set":"2020-02-07T20:18:23.139026+10:30","timezone_name":"ACST","parent":{"title":"Australia","location_type":"Country","woeid":23424748,"latt_long":"-24.912100,133.397552"},"sources":[{"title":"BBC","slug":"bbc","url":"http://www.bbc.co.uk/weather/","crawl_rate":360},{"title":"Forecast.io","slug":"forecast-io","url":"http://forecast.io/","crawl_rate":480},{"title":"Met Office","slug":"met-office","url":"http://www.metoffice.gov.uk/","crawl_rate":180},{"title":"OpenWeatherMap","slug":"openweathermap","url":"http://openweathermap.org/","crawl_rate":360},{"title":"Weather Underground","slug":"wunderground","url":"https://www.wunderground.com/?apiref=fc30dc3cd224e19b","crawl_rate":720},{"title":"World Weather Online","slug":"world-weather-online","url":"http://www.worldweatheronline.com/","crawl_rate":360}],"title":"Adelaide","location_type":"City","woeid":1099805,"latt_long":"-34.926102,138.599884","timezone":"Australia/Adelaide"}

From the response show details as show in the wire frame. Ignore decimals.

Write automated unit testing for this app.