P01 Mobile Project, React Installation
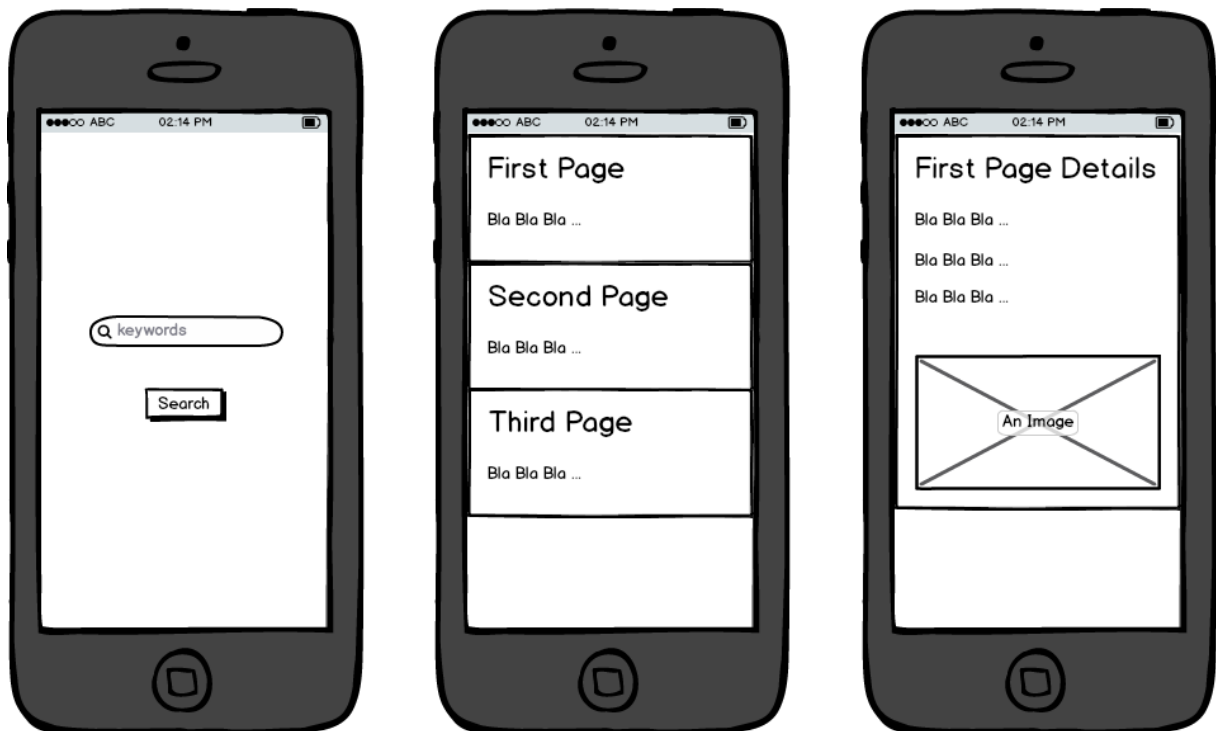
1
One goal of this course is to develop a mobile app in two different technologies. For the first implementation, chose either of these technologies:
- React.js
- React Native

Then, the same app should be developed in another technology:
- iOS native (XCode and SwiftUI)

The project to be developed is a *Search Application* to search for items and display the results. Generally, your app should contain three pages: One page for searching (Search Page), one for displaying the search results as a list (Result Page) and one for displaying detail information for one item (Detail Page). The next figure shows wireframes of these three pages:

Please form teams of two people and choose a service to search. Some ideas: Instagram, Flickr, Twitter, eBay, Tumblr, Pinterest, Facebook, Amazon, Spotify, OpenStreetMap, Swiss Public Transport API.

A list of public APIs is available here:
https://github.com/toddmotto/public-apis

Please note:
- Some services only offer the sandbox mode for free which is sufficient for this course.
- At the end of the course you do a small presentation where you describe both Search Applications for the same service using your chosen technologies.

a)
For today, please choose a service and register yourself as developer for this service.

b)
Try to access the service API by developing a small function that returns some data from the service.

c)
Add a short description of your project to the course Wiki:
- Service to be used
- Team members
- Link to the API description
- Other important information if available

2
Install React using *Create React App* as described here:
https://reactjs.org/docs/create-a-new-react-app.html

You need to have *Node* >= 10.1.6 and *npm* >= 5.6 on your machine.

Steps:

```
npx create-react-app my-app
cd my-app
npm start
```

Make some changes to the application, e.g., change the text *Welcome to React* to some other text and add other HTML elements (button, …) to the page.

Try some alternatives – online or minimal HTML template – described here:
https://reactjs.org/docs/getting-started.html#try-react
https://reactjs.org/docs/add-react-to-a-website.html