

Développement Android

Module 02 - Premiers pas

EXERCICE PRINCIPAL

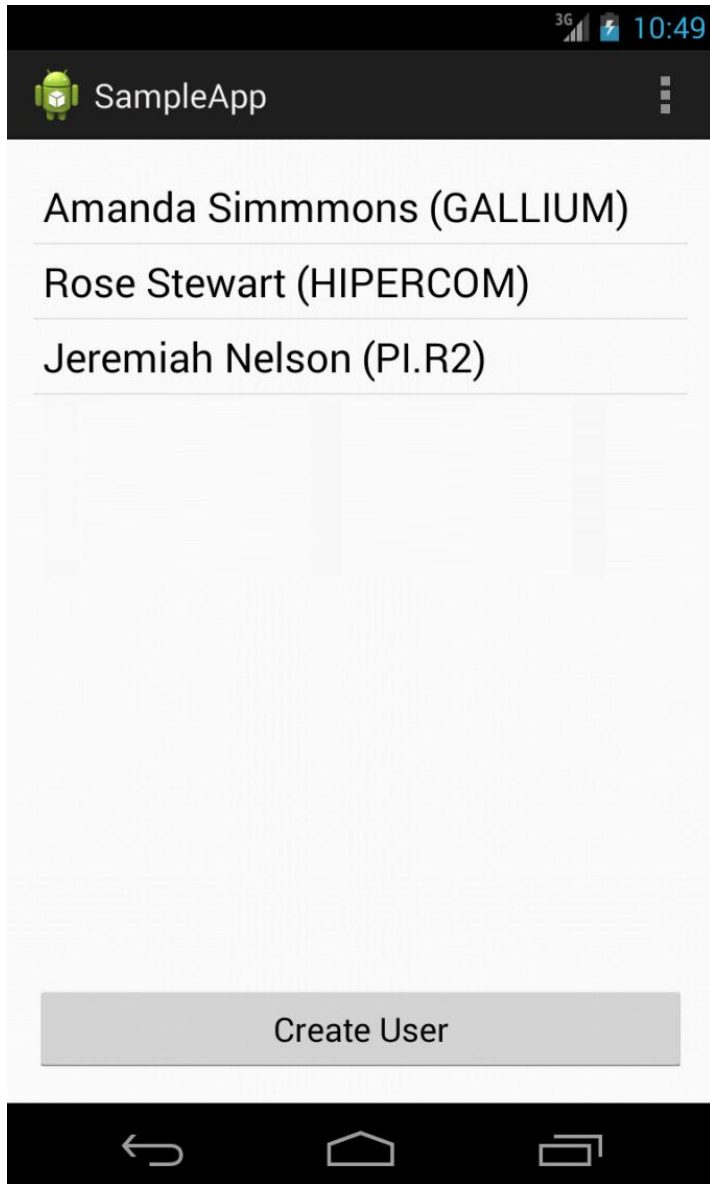
- Objectif : réaliser une application qui met en oeuvre les différents concepts au fur et à mesure de leur découverte.

Une vraie fausse application de gestion de contacts.

EXERCICE PRINCIPAL

- Cahier des charges :
 - Deux activités, et leur GUI :
 - Liste des contact.
 - Ajout d'un contact.
 - Une base de données de contact (SQLite).
 - Ajout de contact.
 - Suppression de contact.
 - La génération d'utilisateur aléatoires, grâce au service de mockup <http://randomuser.me>
 - Effectuer une requête GET asynchrone et parser le résultat (JSON).

EXERCICE PRINCIPAL



3G 10:49

SampleApp

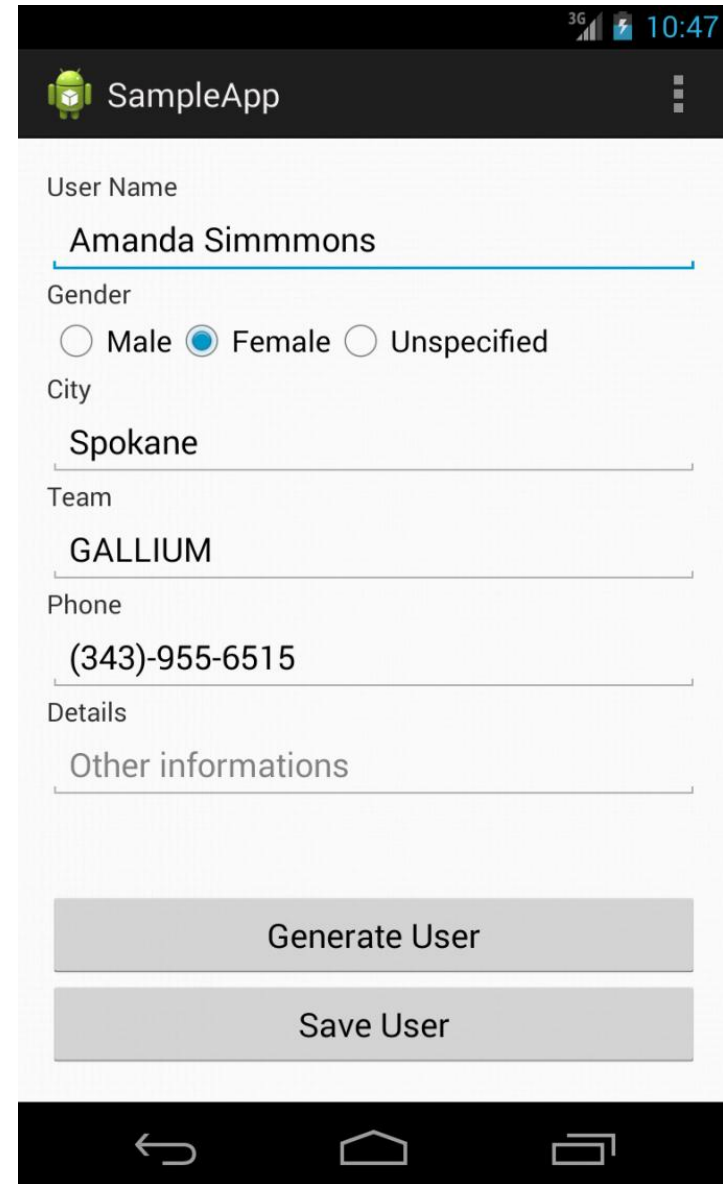
Amanda Simmmons (GALLIUM)

Rose Stewart (HIPERCOM)

Jeremiah Nelson (PI.R2)

Create User

This screenshot shows the main interface of the 'SampleApp' on an Android device. At the top, the status bar shows '3G' and the time '10:49'. Below the status bar is a dark header with the app icon and the text 'SampleApp'. The main content area is a white list with three entries: 'Amanda Simmmons (GALLIUM)', 'Rose Stewart (HIPERCOM)', and 'Jeremiah Nelson (PI.R2)'. Each entry is separated by a thin horizontal line. At the bottom of the screen, there is a grey button labeled 'Create User' and an Android navigation bar with back, home, and recent apps icons.



3G 10:47

SampleApp

User Name
Amanda Simmmons

Gender
 Male Female Unspecified

City
Spokane

Team
GALLIUM

Phone
(343)-955-6515

Details
Other informations

Generate User

Save User

This screenshot shows the 'SampleApp' user creation form. The status bar at the top shows '3G' and the time '10:47'. The header is dark with the app icon and 'SampleApp'. The form is on a white background and contains several input fields: 'User Name' with 'Amanda Simmmons', 'Gender' with radio buttons for 'Male', 'Female' (selected), and 'Unspecified', 'City' with 'Spokane', 'Team' with 'GALLIUM', 'Phone' with '(343)-955-6515', and 'Details' with 'Other informations'. At the bottom of the form are two grey buttons: 'Generate User' and 'Save User'. The Android navigation bar is visible at the very bottom.

EXERCICE PRINCIPAL

```
CREATE TABLE inria_contact (  
  _id INT NULL AUTO_INCREMENT DEFAULT NULL,  
  name VARCHAR(255) NULL DEFAULT NULL,  
  sex VARCHAR(50) NULL DEFAULT NULL,  
  city VARCHAR(255) NULL DEFAULT NULL,  
  team VARCHAR(255) NULL DEFAULT NULL,  
  phone VARCHAR(255) NULL DEFAULT NULL,  
  detail MEDIUMTEXT NULL DEFAULT NULL,  
  PRIMARY KEY (_id)  
);
```

EXERCICE PRINCIPAL

```
{
  results: [{
    user: {
      gender: "male",
      name: {
        title: "mr",
        first: "keith",
        last: "campbell"
      },
      location: {
        street: "7159 edwards rd",
        city: "seymour",
        state: "pennsylvania",
        zip: "37284"
      },
      email: "keith.campbell158@example.com",
      password: "godfather",
      phone: "(471)-543-4073",
      cell: "(651)-308-4754",
      SSN: "160-76-1677",
      picture: "http://api.randomuser.me/0.2/portraits/men/41.jpg"
    },
    seed: "ticklishSnake"
  }]
}
```

<http://randomuser.me>