

SIMPLE SQLITE APP

PURPOSE: TO IMPLEMENT SQLITE DATABASE
IN ANDROID

ER DIAGRAM

- There are two main entity sets Person and Departments
- Both have attributes ID and name, where ID is primary key.
- These entity sets participate in a relationship called "works in".
- Mapping Cardinality of this relationship is Many to one from Person to Department.
- Each person is associated with one department and each department has more than one employee.
- Person entity set has total participation, as each employee will work for at least one department.
- The relationship is not implemented in the App.

DESIGN

Home Screen

Name

Department

Save

Update

Delete

Search

<input type="checkbox"/>	Column 2
<input checked="" type="checkbox"/>	Cell Content 1
<input type="radio"/>	Cell content 2
<input checked="" type="radio"/>	Cell content 3

Drop Table

FUNCTIONALITY

- List view required custom implementation of Cursor Adapter, as I wanted to use custom row layouts for each item in the list.
- Search button results in a toast message with information about the person and the department he works for.
- Update, delete and save buttons result in changes in the list itself, so they are visible in the home screen.
- DDL commands are declared in a separate Contract class.