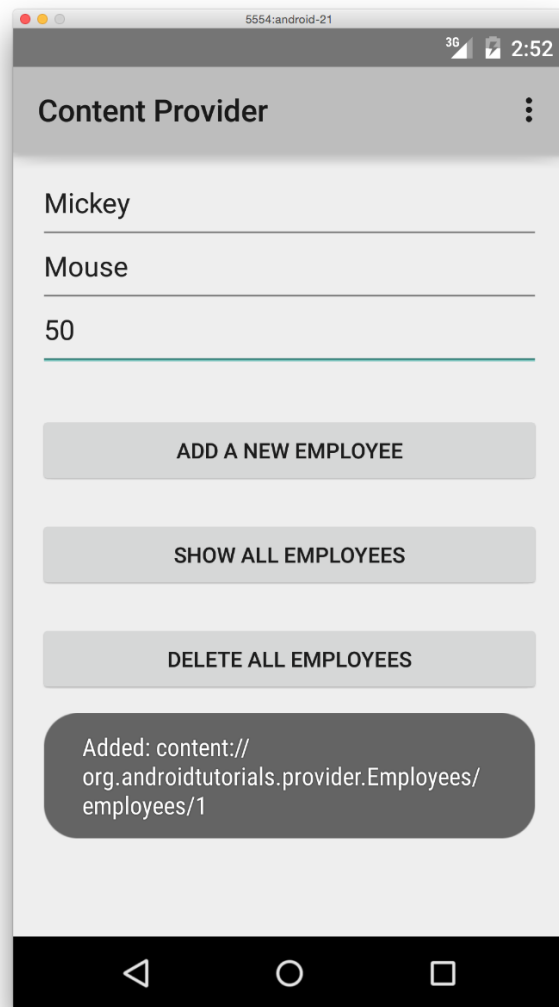
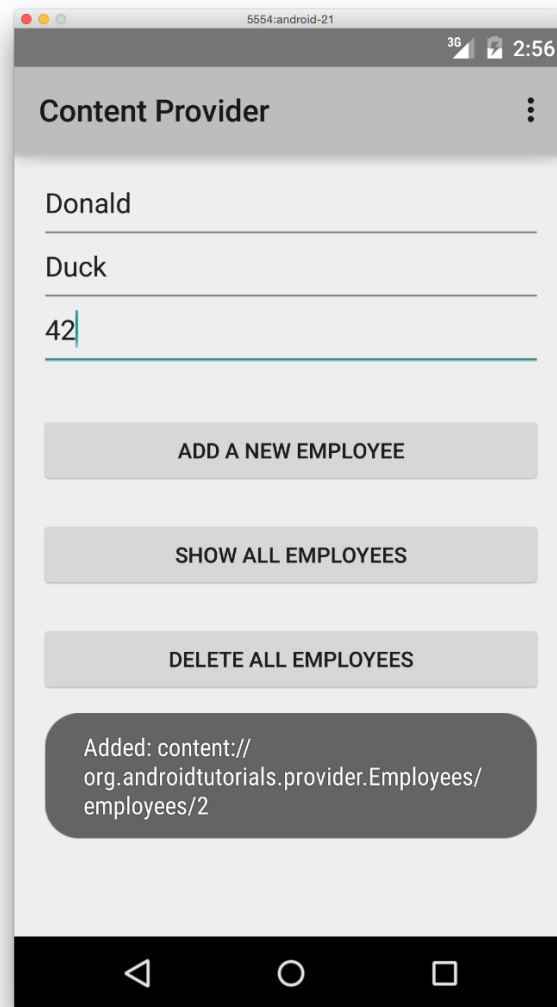


# Android – ContentProvider

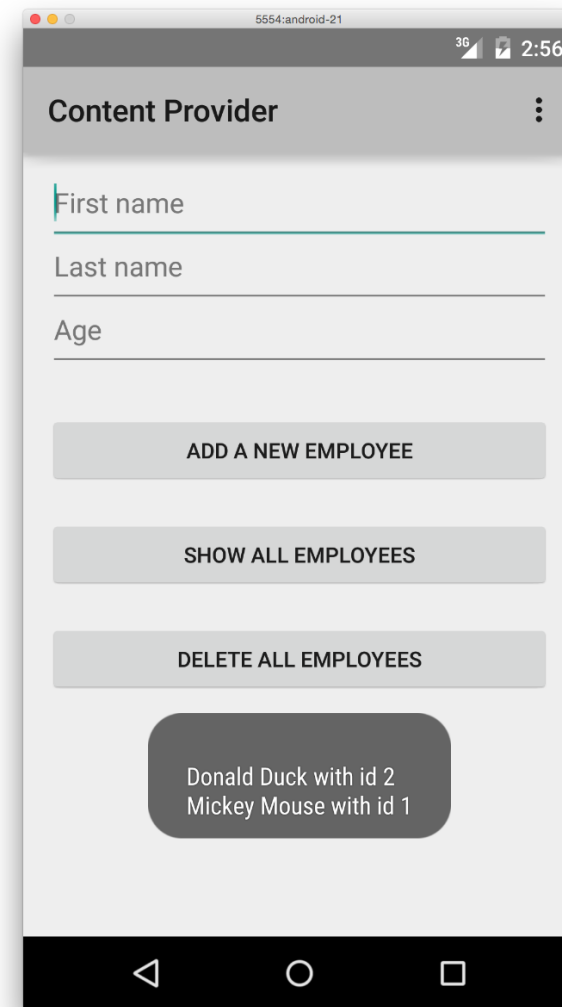
- Content providers manage access to a structured set of data.
- Content provider can choose how to store data. Typically data is stored in a SQLite database but it could also sync via a cloud.
- Resources managed by a provider are referenced through URIs whose scheme is “content://”
- Clients use content resolvers to access, modify, and delete data by specifying content URIs. The API uses SQL-isms such as projections (which columns to retrieve) and selections (search terms to narrow down data)
- Android offers some standard content providers (e.g., contacts provider and calendar provider)



Add Mickey as an employee. Note the URI for the new employee.



Add Donald as an employee.



Show all employees.

# References

- [Overview of Content Providers](#)
- [ContentProvider](#)
- [ContentResolver](#)
- [UriMatcher](#)

# Exercise

- Add a custom permission for the content provider so that an external app needs to request this permission in order to use the content provider.