

## Rent Apartments

Implement **iPad** application that represents reviewing of apartments for rent. Users login if they are registered or sign in otherwise. There is All Apartments Screen that list all available apartments with option to create a new offer. If one apartment is selected Detail Screen describing Apartment offer is displayed. It is possible to review customers comments on that offer.

For Storing All information **use CoreData**.

Consider best design for you and also use auto layouts for proper resizing and rotation of screen.

1. First define Login Screen. There is two textfields – one for user name and second for password. There is also two buttons – one for “Login” and one for “Sing In”. If the user does not exist in CoreData, there should be a proper message.

When Sign In button tapped, user is navigated to Create New User Screen, where he should fill detail information about himself – firstName, lastName, nick, address, age. This new user should be created and navigated to next All Apartments Screen.

2. When logged in correctly, All Apartments are listed in Collection View with Flow Layout with your design.

Every cell should have

- image of the apartment
- apartment type – Single, 2Rooms, 3Rooms, etc
- location – city and quarter
- price

Use NSFetchedResultsController to populated the data.  
(Initialise the apartments object so be around 50-60  
– random generate)

Put proper batch size and see how the data is loaded.

3. Add NSTimer that schedules a function for every 10 seconds that makes 3 things:

- randomly chooses apartment object from context and delete it
- randomly choses apartment and update its content
- randomly create new apartment object.

All Apartment Screen should update these changes correctly!

4. On All Apartment screen add a “+” button that navigates to Crate New Offer Screen where a new apartment offer is filled.

After correct population, the new object should be in the context and properly saved.

5. Implement search button in All Apartments Screen and when tapped an popover is shown that describe search criteria. Search criteria should be – by type, by price – from-to and by location string(string that should be contained in returned results).

When tapped on “Search” button in popover, popover is dismissed and data in All Apartment screen is updates to show only specified results.

6. When specific apartment is selected an Detail Apartment Screen is shown. This Screen displays detail information about apartment :

- Labels for name, price, location, type
- big image of the offer
- textView with detail information
- Button for Comments

7. When comments button is tapped a new Comments Screen opens and displays all comments about selected offer.

An comment will represent Date of comment, author (specific user) and text message.