## Airmee tech tasks iOS Mobile Dev interview P1

## Task description

A company owns 10 apartments: 4 one-bedroom, 3 two-bedroom and 3 three-bedroom.

They are located all over Stockholm.

They were handling booking manually until they decided to go digital.

They published their list of apartments as a json file at the following endpoint:

https://s3-eu-west-1.amazonaws.com/product.versioning.com/apartments.json

The company wants to have an application that manages its apartments, gives its users the ability to search for availability based on the number of beds and a specific date range ('from' and 'to' dates).

dates)	
Busine	ess requirements:
	Search by date range and number of beds
	The apartments must be ordered by distance from the user's current geolocation in an ascending order.
	After the system shows the available apartments the users can select and book an apartment.
	If the users search again with the same parameters the booked apartment shouldn't appear in the available apartments. (optional)
	Keep user booking persistent across app sessions. (optional)
Implen	nentation details:
	It should be implemented as a native iOS application
	The distance to an apartment can be considered the simple displacement between the two coordinates (Euclidean distance) - no need to calculate the actual distance by roadways.
	The user's current geolocation can be hardcoded to the following coordinates:
	59.329440, 18.069124 for testing purposes but having a mechanism of acquiring the
	phone's location is a must.
	All apartment's data retrieved from json can be stored in the app's runtime memory.
	The json file retrieved by the given endpoint is just for populating the initial data set - for simplicity the apartment's booked dates must be accounted for within the mobile application runtime.
	Use Core Data for booking persistence task.
Delive	rables Code repository for the implemented app (preferably private repo, accessible via invite)