# Fit Food Application – Study Jam Final Project

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## Problem Description

Main motivation is to provide application with database of health foods. Provide one place with inspiration for peoples that are starting or are normally cooking health foods. Application provides rating of foods for quick evaluation, sharing functionality for sharing foods and recipes with friends, searching functionality for quick navigation. Foods are automatically updated from central server in daily interval.

## Functionality

Main functionality provides list of foods. The list is main navigation point for user. More details about specialized functionality are described below in specialized captions.

### Menu

User can access application main menu with Setting action, Refresh action, and Search Icon runs search action. Settings traditionally show application settings, where user can disable application notifications. Refresh action start immediate synchronization with server. Application use toasts to inform user about updating progress. Synchronization is automatic as default behavior, and it runs in 24h cycle, but when user wants to check new foods instantly, he can use refresh action. Search action provides functionality for searching in titles of foods.

In detail activity in menu is share action with android common functionality.

### Food List and Detail

List provides action to open detail of food by clicking on it. Detail contains all information about food, author, rating and its preparation text.

### Synchronization

In default application use synchronization service to daily check server for new foods on server or new updates. When synchronization downloads some foods it generates notification for user, to inform him about updates.

## Used Frameworks, Libraries

*Jackson* (<http://jackson.codehaus.org/>) – JSON Processor. Used for transferring data between fitfood server and mobile devices.