Logo_IPLeiriaCRV.pdf

**MSc in Computer Engineering - Mobile Computing**

Interfaces for Ubiquitous Environments

Development for Mobile Devices

Management of Informatic Projects

2016/2017

**SPIN**

**Hrvoje Nemcanin**

**Maciej Wagner**

1. Project Description

Mobile application which stores user’s eating habits and calculate eaten ingredients on daily, weekly, monthly basis. Application offers user to search for groceries and check their nutritional values.

In addition, the plan is that every user can make a list of groceries that have been eaten in one meal. Groceries can be added manually and by scanning the bill using the OCR.

Based on consumed groceries and it’s eating plan user information which ingredients is user lacking or which products should be user consider to consume.

1. Project Goals

In this modern lifestyle, people care less about what they eat.

Consummation of similar products can lead to low immunity which can also lead to another worse situation.

There are ingredients that person should use occasionally in order to make him capable of proper managing tasks in real life.

Application is giving the user choice whether user wants to see its history of eating plan creating an option to see his daily, weekly or monthly eating habits.

Main goal of project is to provide stable service which provide nutritional information about food, furthermore its main focus is not the food but the user.

1. Requirements

**Functional requirements**

* Build model
* Build controllers
* Build views
* Implemented dictionary which translate words from Portuguese to English in order to parse given info to API
* Implemented nutritional API
* Implemented OCR
* Provide info of nutritional values of each grocery to user
* Establish connection to database
* Provide info from database for each user

**Non-functional requirements**

* Implemented at least two web services
* Used at least two sensors
* Implement at least five different screens with dynamic content
* Store information introduced by the user

1. Prototypes

**Sketch of preliminary prototypes**

