Óbuda University

Neumann János Faculty of Informatics

Institute of ………………..

THESIS WORK

DESCRIPTION

Student's name: **Péter Makó**

Registration number: T010187/FI12904/N

Title of thesis work:

Development of mobile shopping assistant application

Bevásárlást támogató mobilalkalmazás fejlesztése

Internal supervisor: Dániel Kiss

External supervisor:

Submission deadline: ……………..

Subjects of the final examination: ………………

………………………

The task:

Shopping assistant smartphone applications are very popular nowadays, as they can simplify the often exhausting and stressful procedure of purchasing goods, as well as they can help the user to save money by providently planning the shopping and offering personalized discounts.

The goal of this thesis is to design, implement, and test a smartphone application that is able to identify products by their barcodes or QR codes, then, provides the user with a personalized list of the availability and the prices of the products from online sources. By building a profile based on shopping preferences or frequently searched items, the application may suggest stores for the user that minimize costs or shopping times.

The study is required to include the following:

1. The brief outline of the motivation and the business background of the problem,
2. A comprehensive summary of software applications with similar or related purposes, as well as the theoretical background of their design,
3. The precise specification and the system design of the smartphone application to be developed,
4. The documentation of the implementation procedure,
5. The thorough summary of the testing scenario, and the test result of the application,
6. Discussion of the work and further development possibilities.

L.S.

……………………
Head of Institute

The specification is valid until:

(According to OE TVSz 55 §).

I consider the thesis suitable for submission:

…………………………………..   …………………………………..
External supervisor   Internal supervisor