Hochschule für Angewandte Wissenschaften Hamburg
Hamburg University of Applied Sciences

Bachelorthesis

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Development and realisation of a business application using object oriented C++ programming and client-server architecture

Fakultät Technik und Informatik
Department Informations- und Elektrotechnik

Faculty of Engineering and Computer Science
Department of Information and Electrical Engineering

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Development and realisation of a business application using object oriented C++ programming and client-server architecture

Bachelorthesisbased on the study regulations
for the Bachelor of Engineering degree programme
Information Engineering
at the Department of Information and Electrical Engineering
of the Faculty of Engineering and Computer Science
of the Hamburg University of Aplied Sciences

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Title of the Bachelorthesis

Development and Construction of a Microprocessor controlled allocation processor

Keywords

Controller, Microprocessor, and other interesting words describing the whole process

Abstract

Inside this report the construction of a very important Controller for microproc-essors is described. etc.

Martin Mustermann

Titel der Arbeit

Entwicklung und Aufbau eines mikrorechnergesteuerten Bestückungsautomaten

Stichworte

Steuerung, und viele weitere interessante Stichwort

Kurzzusammenfassung

Diese Arbeit umfasst alles was man mit einem Mikrorechner machen kann und natürlich noch vieles mehr. etc.

Acknowledgment

Here I want to thank all people for helping...

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1 Introduction

The main objective that I had to accomplish for the navigation module was, to connect the google direction API [1]. This sub-module is responsible for sending queries based upon users current location and the end destination. The queries will be resolved in the state of the art google servers where the routes will be calculated using advanced algorithms and the massive amount of data that google possess.

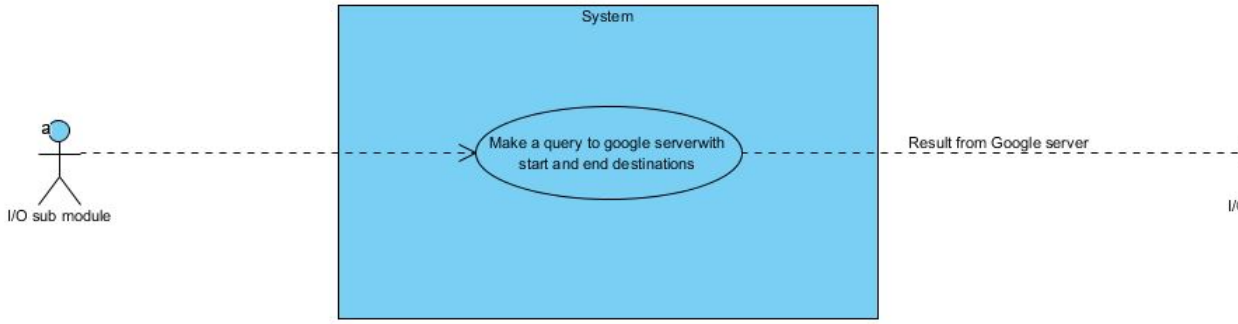

Figure 1.1: Use case diagram: Google API sub-module communication

From the figure 1.1 it can be a seen that the API sub-module is just an interface which communicates with the server to provide the calculated is a middleware between the server and the navigation.

1.1 Why I choose this package

The major focus of my objectives were related to the software engineering aspects instead of the hardware side. Personally I opted to go to this direction because I believe that software design is an important part of every project and it has always been a challenge to design a project base in a way which is robust, scalable and can be maintained with ease. By choosing this package, I had the flexibility to develop a system by applying the design patterns and experiment the new technologies available and see in practice, what are their pros and cons.

2 Analysis

Here you have to analyse your project

3 Design

Here a design is added !

Figure 3.1: GNU.org

4 Realisation

And here the real realisation is outlined, this is your part... a lot of figures?

5 Conclusion

The last important words...

References

[1] google. Google direction api. [Online] https://developers.google.com/maps/documentation/directions/.

Declaration

I declare within the meaning of section 25(4) of the Ex-amination and Study Regulations of the International De-gree Course Information Engineering that: this Bachelor report has been completed by myself inde-pendently without outside help and only the defined sources and study aids were used. Sections that reflect the thoughts or works of others are made known through the definition of sources.

Hamburg, December 22, 2017

City, Date

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