



SUMMARY

Of the License Thesis entitled:

STUDENT DORM ACCOMMODATION APPLICATION

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1. Requirements:

Implement an application with the purpose of speeding up the accommodation process for students living in the dorms belonging to the Technical University. A QR Code will be placed in front of the dorm allowing the students to scan it and then register their personal information in order to skip waiting for the dorm administrator doing this. The dorm administrator and the accommodation committee members will be able to view the dorm's overview, check in or check out a respective student, set payment discounts according to the current regulations and generate contracts for each student.

2. Proposed solutions:

For building the application, the C# programming language was used. The project uses an API developed with ASP .NET Web API technology, Entity Framework for the communication with the database. For the front-end part of the application the JavaScript framework Angular2 was used in combination with the TypeScript superset of JavaScript and a free Bootstrap HTML admin dashboard template.

3. Results obtained:

The solution meets the proposed requirements and specifications

4. Tests and validations:

The testing was performed on the local environment using Visual Studio 2015. The testing was done manually using the user interface and manually providing data for processing



5. Personal contribution:

The structure of the project the application is developed on, integrating the Angular framework with .NET using Node.js and Gulp for automated tasks. The development of a clean user-friendly user interface. The API for processing all the requests sent by the web application.

6. Documentation sources:

Scientific articles, tutorials, books.

Author _____

Advisor _____