Bulgarian Diploma Thesis

Warable Health Management System

Samuil Mladenov, ID#200194385

Student:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Date:\_\_\_\_\_\_\_\_  
Signature

Supervisor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , Date: \_\_\_\_\_\_\_\_

Signature

Department of Computer Science, AUBG  
Blagoevgrad, 2025

**Declaration template for Senior Project and Diploma Thesis**

**Title:**

**Author:**

**Abstract:**

**Declaration of authorship:**

“The Senior Project/Bulgarian Diploma Thesis presented here is the work of the author solely, without any external help, under the supervision of ..... All sources, used in development, are cited in the text and in the Reference section.”

Author: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Table of Contents

1. Introduction
   1. Overview of the Project
   2. Motivation and Problem Statement
   3. Project Objectives
   4. Technology Used
   5. Personal Interest
2. Specification of the Software Requirements and Their Analysis
   1. Functional Requirements
   2. Non-Functional Requirements
   3. System Analysis
      1. System Overview
      2. Use Case Diagram
      3. Data Flow Diagram
      4. Summary
3. Design of the Softwere Solution
   1. Achitecture Overview
      1. System Architecture Description
      2. Separation of Concerns
   2. Software Components
   3. Hardware Design and System Integration
      1. Overview of Hardware Architecture
      2. Sensor Descriptions
      3. Circuit Schematic
      4. Hardware-Software Interaction
4. **Introduction**
   1. **Overview of the Project**
   2. **Motivation and Problem Statement**
   3. **Project Objectives**
   4. **Technology Used**
   5. **Personal Interest**
5. **Specification of the Software Requirements and Their Analysis**
   1. **Functional Requirements**
   2. **Non-Functional Requirements**
   3. **System Analysis**
      1. **System Overview**
      2. **Use Case Diagram**
      3. **Data Flow Diagram**
      4. **Summary**
6. **Design of the Softwere Solution**
   1. **Achitecture Overview**
      1. **System Architecture Description**
      2. **Separation of Concerns**
   2. **Software Components**
   3. **Hardware Design and System Integration**
      1. **Overview of Hardware Architecture**
      2. **Sensor Descriptions**
      3. **Circuit Schematic**
      4. **Hardware-Software Interaction**