**Project name**

**High Level Design**

*This is a template to the project documentation,*

*It should be submitted as a Word file and as PDF.*

**Submitted by**:

**Supervised by:**

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# General guidelines for writing HLD

HLD is an initial contract between you and your customer on what functionalities will be provided by your program. It doesn’t go into the low-level details of how each function will be implemented, it doesn’t state ALL of the views that will be created for the user but it does state the main things.

For example: say I’m going to design an application for managing a supermarket. What are the main functionalities I’m going to support?

There will be 2 usage modes: one for customer and one for an employee. Each mode will provide different functionalities.

1. Customer mode:

The customer will be able to choose from a variety of the supermarket products, searching for a desired one according to the following filters:

Type of product (food, beverage….)

Calories range

Lacking specific ingredient (for example gluten free)

The information available to client on each product will be: ingredient list, calories, manufacturer, expiration data

Note that I didn’t explain **how** the views will look like, just what functionality will be available to the client.

1. Manager mode: …
2. Registration and access control

There are, of course, a lot more features that can be added to the supermarket application that are not mentioned above. As you can see, the description is very HIGH LEVEL (==HLD) and doesn’t go into technical details.

The following template is a suggestion from what to start. Its ok if some sections are not relevant for your project and if additional sections (that are not mentioned) should be added.

**To conclude**: when writing, think about the customer. This is a contract you’re committing to. All that is mentioned here must be provided by your product.

# Abstract

# Introduction

**Read and then replace the following with your introduction**

The first report explains what you are going to implement. It should hold a short description of your project, brief design review and important links.

**Be aware that any copyrighted material such as pictures, figures, code etc. is not used in your project and your documentation.**

## General Project Description

## Programming Environment

# Theoretical Background

## Section 1

Figure 1 – if needed

The figure above depicts the

### Sub Section

## 2.2 Section 2

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# Basic System Functionalities

# Software Implementation

This is the programmer manual: Up to you – like:

## Modules

## Top-Level View

## Main Menu

### User Interface

### Features

### User Interface

# References

* Papers and links