**Introduction to Programming - T1**

Mandatory Assignment 1 - Initial Project Description and requirement

* **Project description**

Copenhagen is the city of bikes. There are more bikes than people within the city, thus the market for bikes provides an opportunity. The webpage www.dba.dk allows people to buy & sell things through their platform online. Bikes is one category out of many other. Bikes vitality for Copenhagener´s daily life opens up for competition which created the idea for this project - to create a new & well-functioning platform where bikes easily can be sold and bought.

* **Feature-list**

One must have an account in order to upload a bike for sale. The project is to create a simple webpage where you can browse bikes as an anonymous user and contact sellers without registration. A query will be sent to the seller which will generate a message to their connected e-mail address. The buyer and the seller of the bike will then be able make contact and to set up a meeting and make the affair. The website will include features as below:

**Home, Header & Footer**

* Domain name – that’s easy to read and remember.
* Logo – a visual representation of the business that’s unique.
* Tagline – a concise description of what the business does.
* Top navigation bar – clear and easy to read top navigation
* Search bar
* Terms and conditions, privacy policy and sitemap
* Customer log-in
* Upload feature – users should be able to upload their bikes
* FAQ page - frequently asked questions about your products and services.

**Category Page**

* Product title
* Short description of the bike
* Breadcrumb navigation - for all pages
* Show number of products displayed in the page
* Product filtering (category of bikes)
* Sorting function (latest uploaded bike for sale, cheapest, condition)

**Product Page**

* Product title
* Contact query button – being able to contact sellers of bikes
* Captcha or antispam feature – protection for users
* Good quality of pictures with zoom in functionality
* Pricing information
* Product description (condition etc.)

**Query Page**

* Customer query-checkout
* Contact information (email, phone name etc.)
* Product summary – chosen product / seller to send query to.
* **Class diagram**

