

## 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](http://www.dba.dk) allows people to buy & sell things through their platform online. Bikes is one category out of many other. Bikes vitality for Copenhagen'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

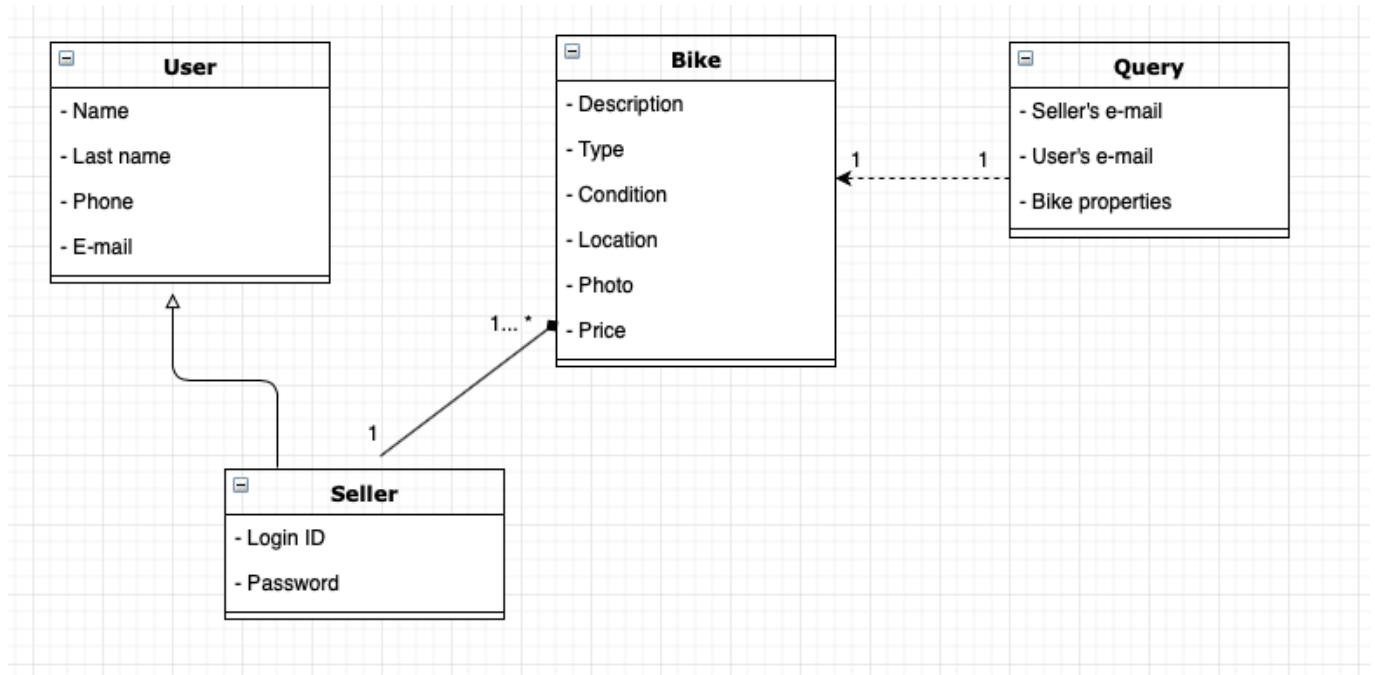
- Customer query-checkout
- Contact information (email, phone name etc.)
- Product summary – chosen product / seller to send query to.

#### **Group-members:**

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2

## ■ Class diagram



**Group-members:**  
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