**Milestone 1**

# Use Cases

What is the application used for? The trivial use case for a shopping application like e-bay is buying a product. However, for there to be a product for sale in the first place someone else has to have submitted it so use cases include:

* Registering a new account
* Logging in with an existing account
* Looking through the catalogue of products
* Purchasing a product
* Submitting a product for sale

# User Stories

These are some small one-sentence-stories that show the usage from the perspective of a user. They are not necessarily requirements but rather things a user expects or experiences of the form:  
[As a…] [I want to…] [Because…]

1. As a Visitor I want to see the catalogue to see if it is worth registering myself.
2. As a User I want to be able to reset my password because I am very forgetful.
3. As a User I want to be confronted with a nice and trustworthy looking page, so I feel comfortable.
4. As a User I want my password to stay secure so no one else can use my account.
5. As a User I want to be able to quickly log in to not waste time.
6. As a User I do not want to be bombarded with unnecessary advertisement because my mailbox is already full.

The first three correspond to functional requirements, those being functions and features that the system should perform. For example, 1. Refers to a registration form where new users can create an account to gain access to certain features.  
The latter three correspond to non-functional requirements. They aren’t functions that the system should perform but give information about the quality and constraints of the system. For example, 5. Refers to the duration from logging in to actually being logged in. It is not about the login itself but about the performance.

# CRC Cards

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| **User** |
| **Responsibilities:** Represents a User. Provides the ability to access and modify the attributes that define a User. |
| **Collaborations:** With the Product as a User can be the owner/seller of numerous products. Login and Registration component. |
| **Operation:** Accessing and modifying the attributes. |
| **Attributes:** First Name: string, Last Name: string, Username: string, password: string, email: string |

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| **Product** |
| **Responsibilities:** Represents a product. Provides the ability to access and modify the attributes that define a Product. |
| **Collaborations:** User |
| **Operation:** Read and write the attributes |
| **Attributes:** Name: string, Description: string, owner: Integer, price: Number (Not negative) |