

Assignment 1

Advanced Software Engineering



Presented to: Dr. Islam El-Maddah

Made by:

* Abdullah Aml
* Khaled Bahaa El-Din

**# Assignment 1 statement**

A factory produces kids toys. The process of production depending on **getting a proposal** and **developing a prototype** and **finally produce the toys** and **getting feedback** from the client. A **top designer do the proposed prototype**. that usually **reviewed** by a product manager.

The business of the factory needs to be automated and also the amount of sales and feedback related to toys needs **analysis** and Business analytics.

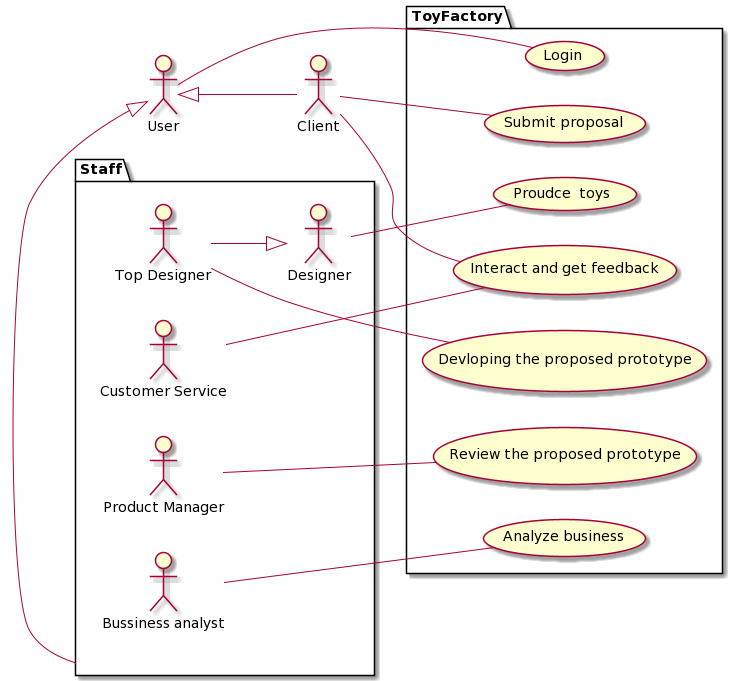
the toy factory has:

1. Number of toy designers.
2. Product managers.
3. Customer service who interacts with client to **propose toys** and **get feedback.**

**# Assumptions**

1. The client submits a proposal design to the desired game.
2. The top designer proposes a prototype and submit it to the product manager for review. Once approved by the product manager, it is sent to the client for approval. After the client approves it, it is sent to the factory designers to implement it and track mass production degree of compliance to the main prototype.
3. Business analyst perform all business analytics needed for the mass production of the toys.

**# Use case diagram**



**# Use case description**

For the use case: **Interact and get feedback:**

**Interaction diagram:**