

Introduction:

The documentation deals with the analysis of requirements of the system and differentiated in terms of functional and non-functional requirements. This is then prioritized using MoSCoW prioritization method.

It also encompasses several models to describe and manifest how the system looks like and how it functions. This includes use-case diagram, initial class diagram, and ER diagram followed by UI design.

Functional and Non-Functional Requirements:

Functional requirements states what the system should door provide for users. It includes description of the required functions and details of data to be held in the system. E.g. business rules, administrative functions, authentication, adjustment and cancellation, certification requirements, etc.

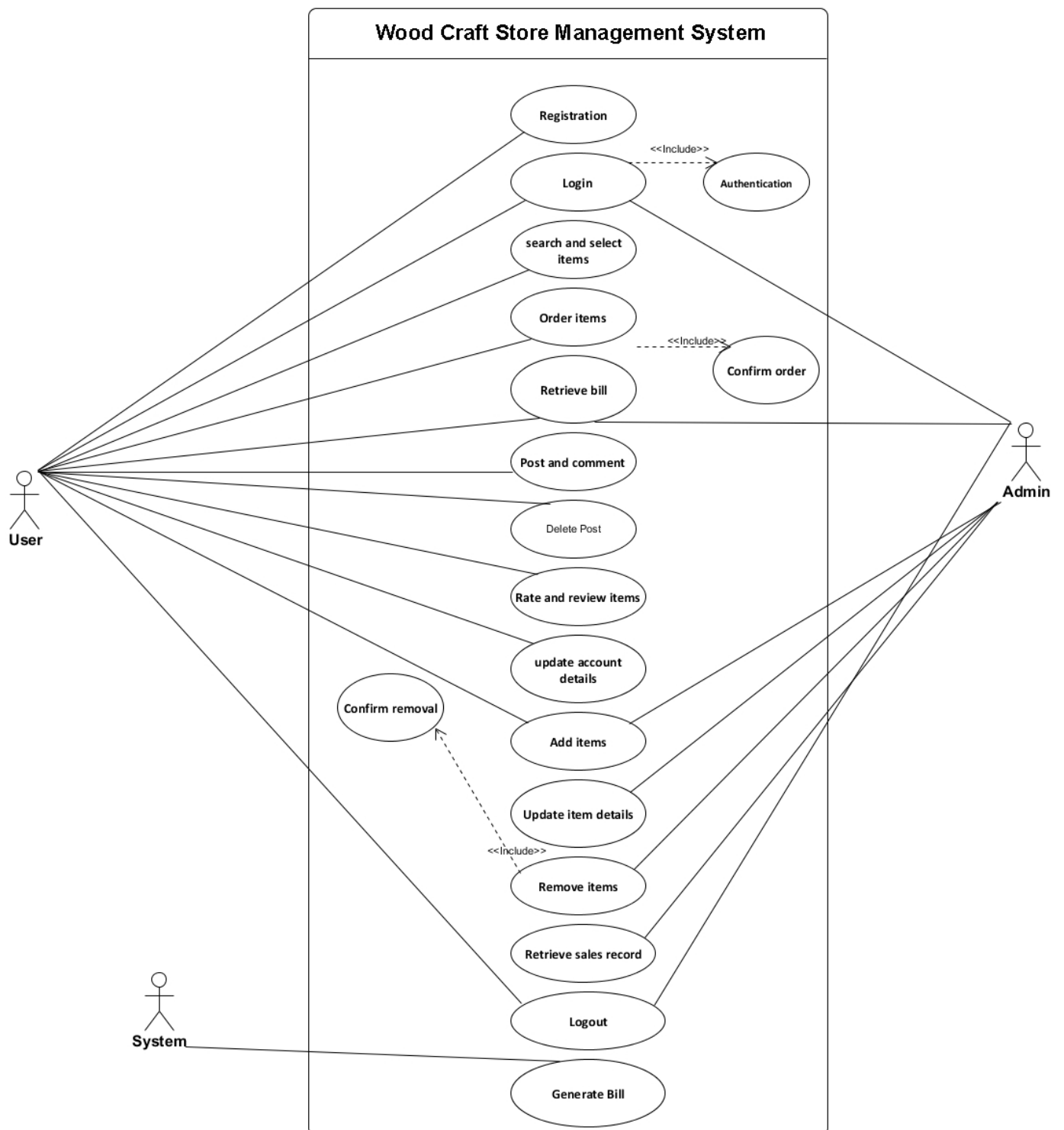
Non-Functional requirements states how the system performs a certain function. It specifies the system quality attributes or characteristics. E.g. scalability, capacity, availability, usability, etc.

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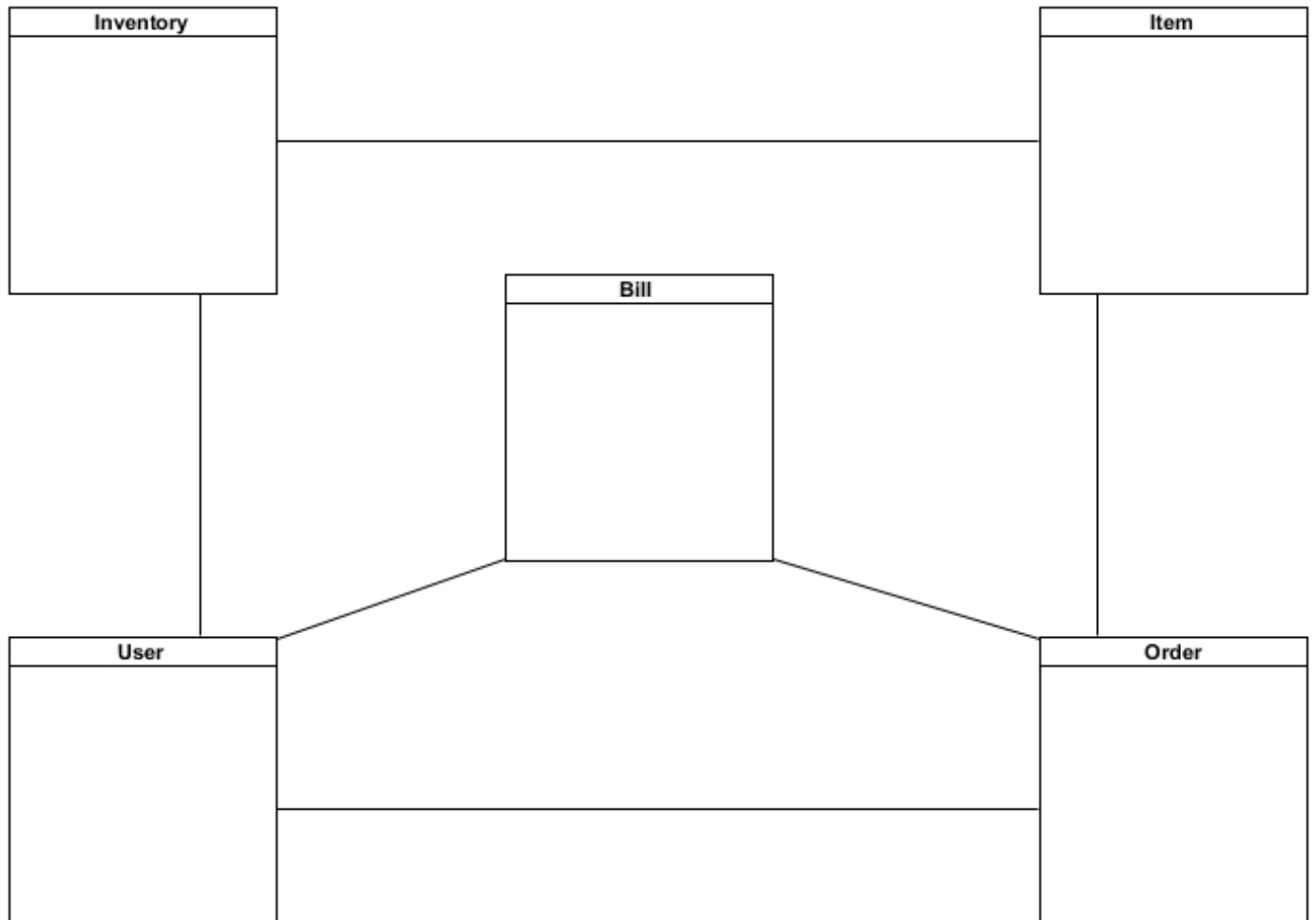
Requirement Analysis:

S. No	Requirements	Functional or Non-Functional	MoSCoW
1.	Registration	F	M
2.	Login	F	M
3.	Search and select items	F	M
4.	Order items	F	M
5.	Retrieve bill	F	M
6.	Rate and review items	F	C
7.	Post queries	F	S
8.	Post comment	F	S
9.	Delete posts	F	C
10.	Update account details	F	S
11.	Add items	F	M
12.	Update item details	F	M
13.	Delete items	F	M
14.	Control user account	F	C
15.	Create bill	F	S
16.	Retrieve sales record	F	S
17.	Generate Bill	F	S
18.	Logout	F	M
19.	Visitor counter	F	C
20.	Authentication	F	M
21.	Security	NF	S
22.	Performance	NF	S
23.	Availability	NF	S
24.	Reliability	NF	S
25.	Maintainability	NF	S
26.	Usability	NF	S
27.	Data Integrity	NF	S
28.	Supportability	NF	S

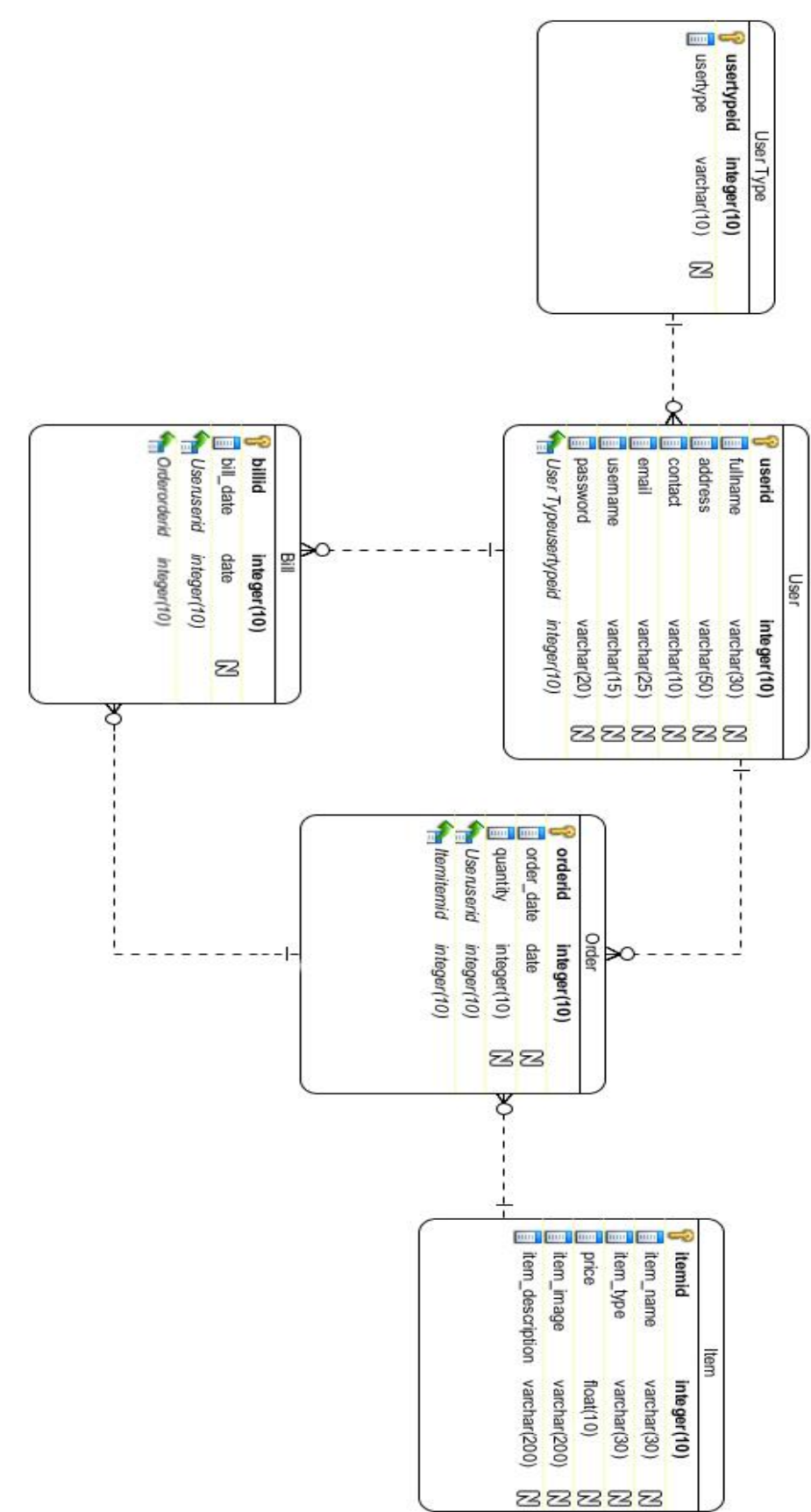
Use Case Diagram:



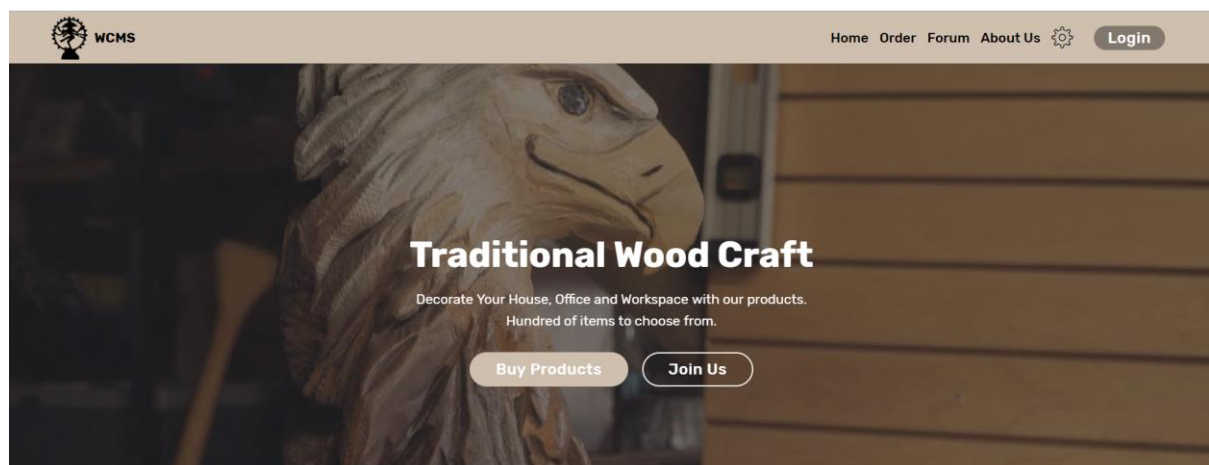
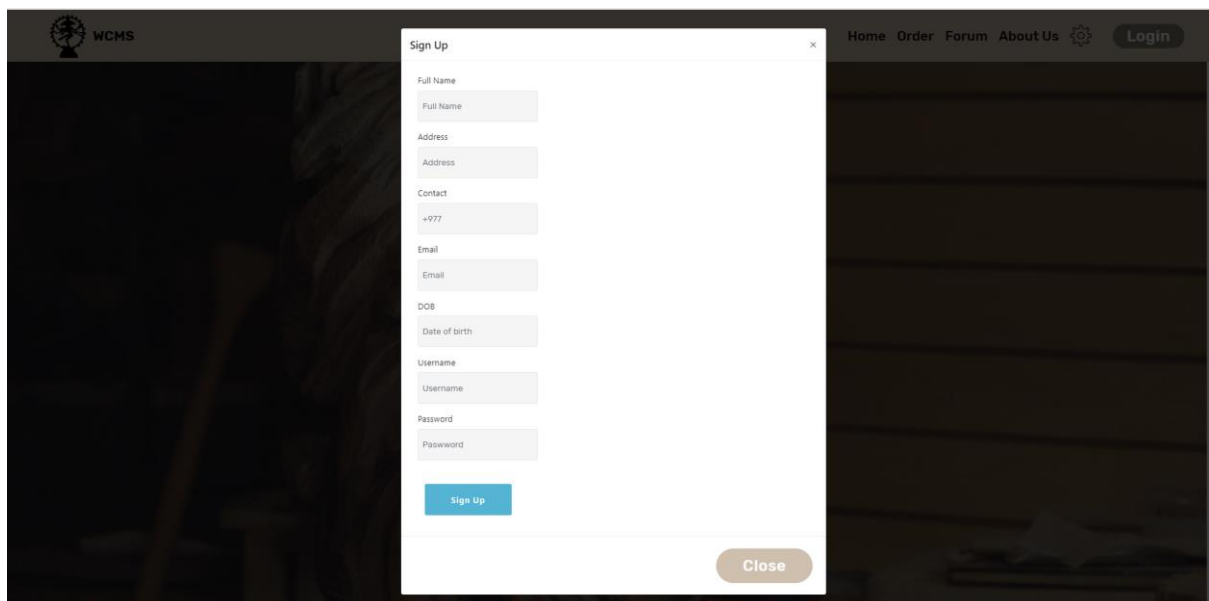
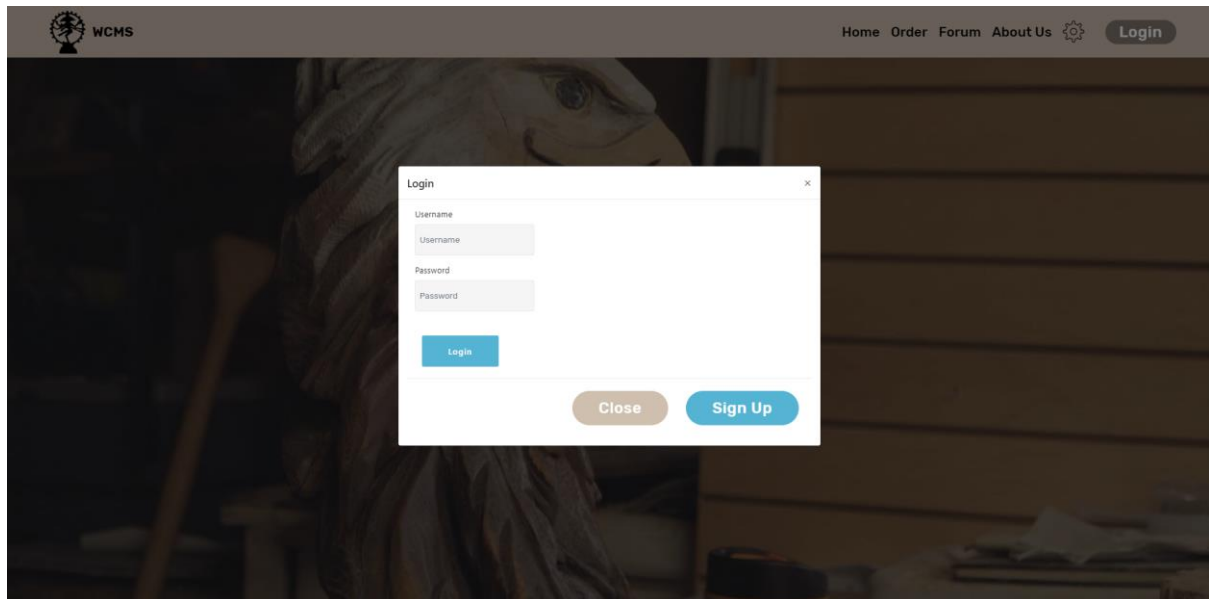
Initial Class Diagram:



ER Diagram:



UI Design:





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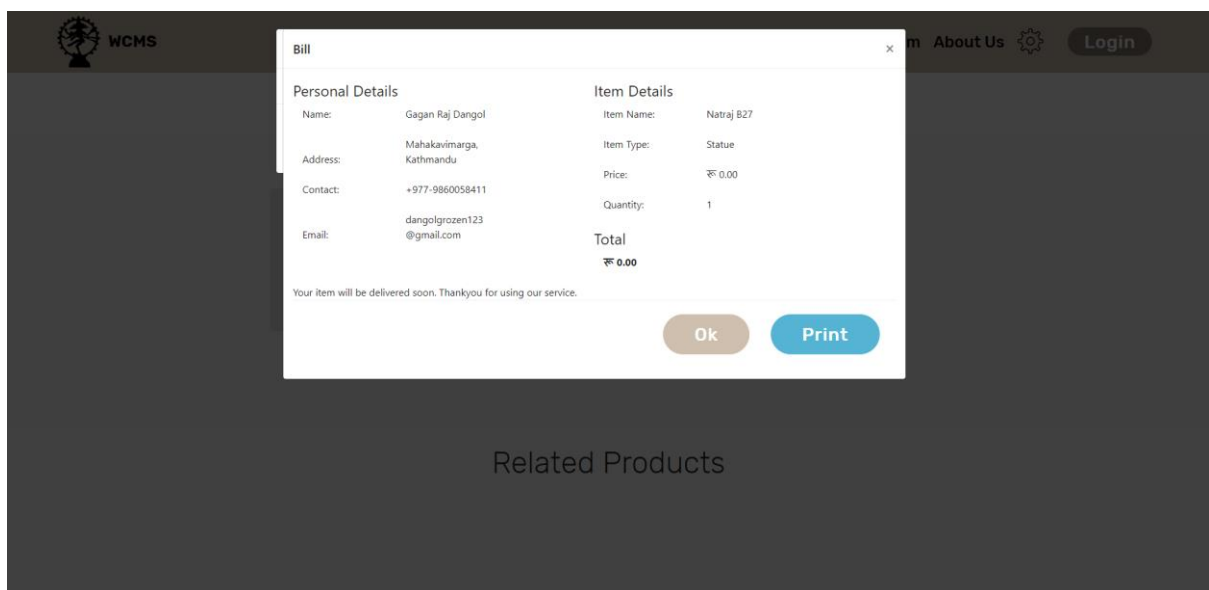
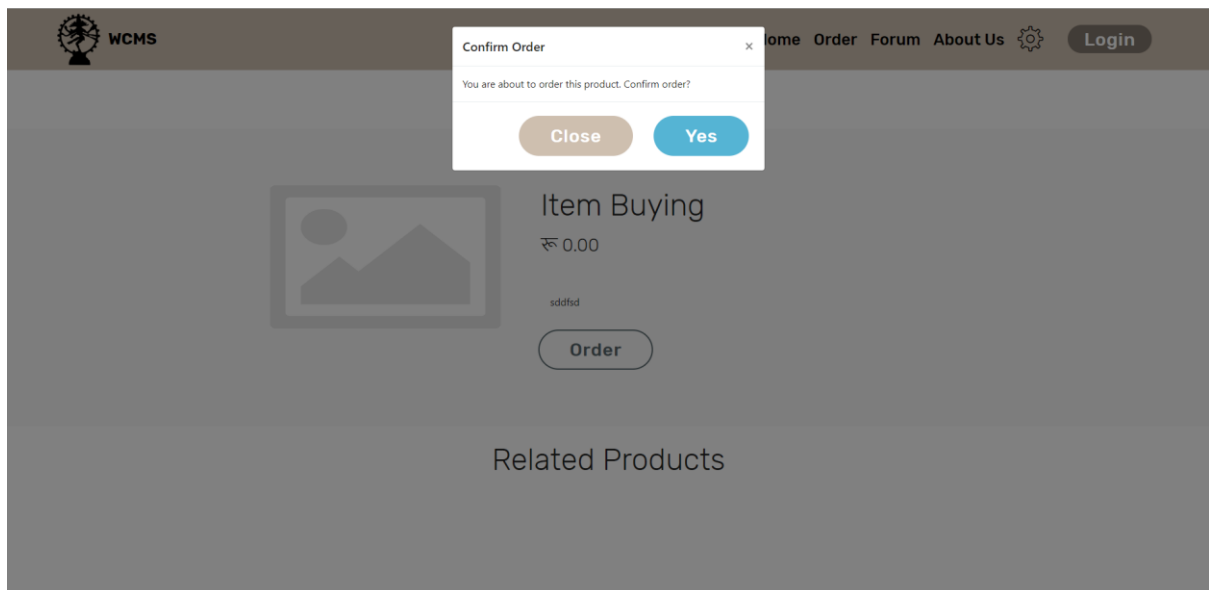
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Amit Pradhan
Programmer



★★★★☆

Anish Budhathoki
Designer



★★★★★

Bibek Dahal
Developer



Without natural resources life itself is impossible. From birth to death, natural resources, transformed for human use, feed, cloth, shelter, and transport us. Upon them we depend for every material necessity, comfort, convenience, and protection in our lives. Without abundant natural resources prosperity is out of reach.



PROPRIETER

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