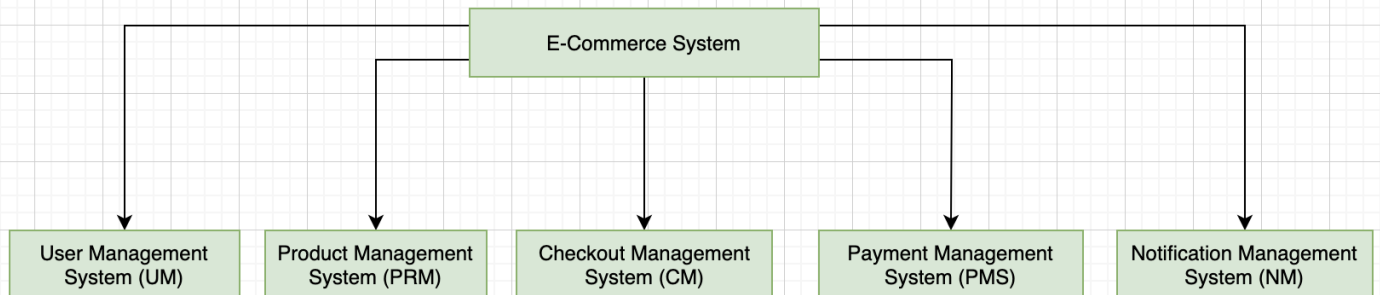


FDD

FDD - Functional Decomposition Diagram - Sample



Legend

UM-F-1.0 → Numbering

Sub systems

UM : User Management System
PRM : Product Management System
CM : Checkout Management System
PMS : Payment Management System
NM : Notification Management System

Types of Requirements:

F : Functional Requirements
NF : Non-Functional Requirements
UR : Usability Requirements

Product Management System (PRM)

Req. Code	Req. Desc	Use Case
PRM-F-1.0	The system should allow the admin and product manager to create the product. [create product]	Create product
PRM-NF-1.1	When creating a product, the minimum resolution of product image to be uploaded should be of a minimum 1024 X 760 while not exceeding 10mb of file size. [size related things, performance related, security related, and any other technical things]	
PRM-NF-1.2	The SKU of the product must be unique and the SKU itself should represent the color, size and style number. Example: TS-111-BLU-XL, which may represent a t-shirt (TS) having style number 111 in blue (BLU) color of Extra-Large Size (XL)	

PRM-UR-1.1	The uploading of image should support drag and drop for the easy upload.	
PRM-UR-1.2	
PRM-F-2.0	The system should allow the product manager to create product categories with short description [create product category]	
PRF-NF-2.1	Description of the categories must not exceed more than 100 words	
PRF-UR-2.1	

User Management System (UM)

Req. Code	Req. Desc	
UM-F-1.0	The system should allow the customer for self-registration. It should support Social registration too (Google, Facebook and twitter social register) [register user]	
UM-NF-1.1	While submitting the registration form, the registration data must be encrypted before sending over to server. (security)	
UM-NF-1.2	The password for the registration must be a combination of alphabets, numbers and special characters.	
UM-UR-1.1	While registering via smaller devices (mobile devices), the password field should have an option to hide/unhide password	
UM-UR-1.2	
UM-F-2.0	The admin should be able to ban/unban the user [ban/unban user]	
UM-NF-2.1	
UM-UR-2.1	

Note:

1. This is all part of the Agile approach that we have discussed earlier
2. You should only focus on SRS of a particular sub system at a time
3. Once SRS is completed, it's better to draw activity diagram
 - a. Now the question might be "how many activity diagrams do we need to draw?"
 - i. There is no hard and fast rule for this answer. Normally you will be drawing activity diagram as per the number of your functional requirements. If there are 8 functional requirements of a sub-system, generally there will be 8 activity diagrams
 - b. After activity diagram, its better to draw use case diagram then wireframe then ERD then Data Dictionary then Class Diagram then Sequence diagram and others....
4. Some common questions:
 - a. How many use-case diagrams?
 - i. If you have 4 sub-systems, there will be use case diagrams
 - b. How many use cases should be there in each use case diagram?
 - i. If you have identified 10 functional Requirements for a particular sub system. Then there will be 10 use cases in that use case diagram
 - c. How many sequence Diagram?
 - i. Normally it would depend on the number of functional requirements you have
 - d. How many entities in ERD?
 - i. Need all the entities as per the system requires
 - e. How many classes in class diagram?
 - i. Need all the classes as per the system requires
 - f. How many wireframes?
 - i. Normally it would depend on the number of functional requirements you have