Modeling and representing the requirements using diagram

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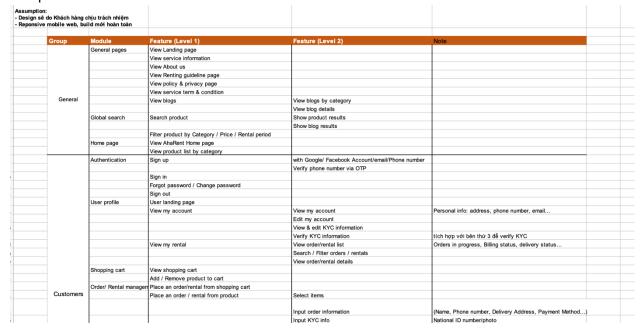## Feature list

Term	Description
Feature	One or more logically related system capabilities that provide value to a user and are described by a set of functional requirements.
Feature list	The list of features that together makes a product.

Usually, we break features down into several levels. We also group them to some group by user / function,…

Sample

Group	Module	Feature (Level 1)	Feature (Level 2)	Note
Assumption: - Design sẽ do Khách hàng chịu trách nhiệm - Reponsive mobile web, build mới hoàn toàn				
General	General pages	View Landing page		
		View service information		
		View About us		
		View Renting guideline page		
		View policy & privacy page		
		View service term & condition		
		View blogs	View blogs by category	
			View blog details	
	Global search	Search product	Show product results	
			Show blog results	
		Filter product by Category / Price / Rental period		
	Home page	View AhaRent Home page		
		View product list by category		
Customers	Authentication	Sign up	with Google/ Facebook Account/email/Phone number	
			Verify phone number via OTP	
		Sign in		
		Forgot password / Change password		
		Sign out		
	User profile	User landing page		
		View my account	View my account	Personal info: address, phone number, email…
			Edit my account	
			View & edit KYC information	
			Verify KYC information	tích hợp với bên thứ 3 để verify KYC
		View my rental	View order/rental list	Orders in progress, Billing status, delivery status…
			Search / Filter orders / rentals	
			View order/rental details	
	Shopping cart	View shopping cart		
		Add / Remove product to cart		
	Order/ Rental managen	Place an order/rental from shopping cart		
		Place an order / rental from product	Select items	
			Input order information	(Name, Phone number, Delivery Address, Payment Method…)
			Input KYC info	National ID number/photo

Use case diagram

An analysis model that identifies the actors who can interact with a system to accomplish valuable goals and the various use cases that each actor might be involved with.

- Specify the context of a system
- Capture the requirements of a system
- Validate a systems architecture

Term	Description
Use case	A description of a set of logically related possible interactions between an actor and a system that results in an outcome that provides value to the actor. Can encompass multiple scenarios.
User story	A format to capture user requirements on agile projects in the form of one or two sentences that articulate a user need or describe a unit of desired functionality, as well as stating the benefit of the functionality to the user.
Actor	A person performing a specific role, a software system, or a hardware device that interacts with a system to achieve a useful goal. Also called a user role.
User	A customer who will interact with a system either directly or indirectly (for example, by using outputs from the system but not generating those outputs personally). Also called end user

Following are some questions you might ask to help user representatives identify actors:
- Who (or what) is notified when something occurs within the system?
- Who (or what) provides information or services to the system?
- Who (or what) helps the system respond to and complete a task?

Sample:
We need to develop an youtube-like system in which a user can view video.User has to login to upload and he can edit videos that are uploaded by him. Besides, user can like/dislike a video. There is special user who can perfome live stream and must do payment for that action. We call them youtuber.

Youtube-like system

Viewer

upload video

Choose file

<include>>

<include>>

upload

edit video

login as viewer

Login as Advertiser

live stream

Youtuber

view video

<<extend>>

like

do payment

Bank

system boundary