

## Project Design Phase-II

### TechnologyStack(Architecture&Stack)

Date	20-06-2025
Team ID	LTVIP2025TMID55453
Project Name	Shopsmart:Your digital Grocey Store Experience
MaximumMarks	4

### FunctionalRequirements:

FR No.	FunctionalRequirement(Epic)	SubRequirement(Story/ Sub Task)
FR-1	User Registration	- Registrationviaform - RegistrationviaGmail - RegistrationviaLinkedIn
FR-2	User Confirmation	- Email confirmation - OTP-basedverification
FR-3	ProductBrowsing	- Browsecategories - Viewproductdetails - Filterandsearch functionality
FR-4	Shopping Cart and Checkout	- Additemstocart - Modifyquantity - Removeitems - Proceedtopayment
FR-5	AddressManagement	- Addnewaddress - Editordeletesavedaddresses
FR-6	OrderManagement(UserSide)	- Vieworderhistory - Trackcurrentorders
FR-7	SellerDashboard(Future Scope)	- Add/edit/deleteproducts - Manage inventory - Vieworders&sales

	FR-8	Admin Dashboard	<ul style="list-style-type: none"> <li>- Manage users &amp; sellers</li> <li>- Monitor all orders</li> <li>- View analytics</li> <li>- Handle complaints</li> </ul>	
--	------	-----------------	---	--

## Non-Functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Responsive, intuitive UI for smooth navigation on all device types
NFR-2	Security	Protection of user data via encryption, JWT, OTP, and secure payment gateways
NFR-3	Reliability	System should handle failures gracefully and ensure transactional integrity
NFR-4	Performance	Backend and frontend optimized for speed, with API response times under 500ms
NFR-5	Availability	24/7 uptime supported through robust cloud infrastructure (Netlify, Render)
NFR-6	Scalability	Modular code base and scalable cloud services to support future user growth