

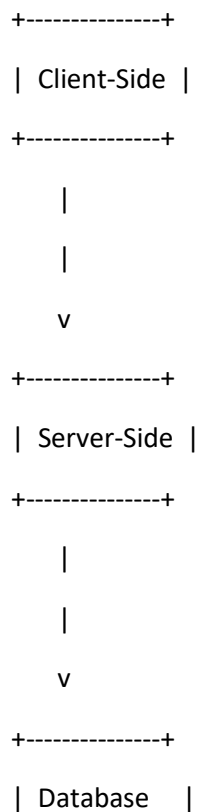
Day 2: Planning the Technical Foundation

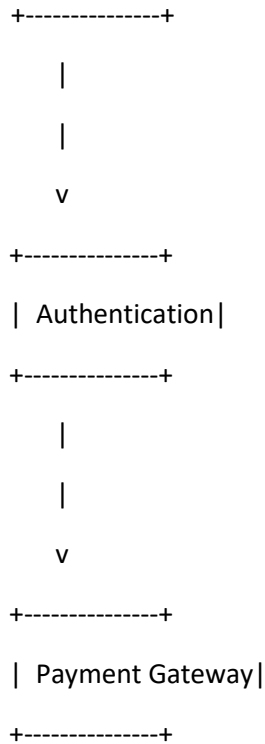
Technical Requirements

- | Requirement | Description |
- | --- | --- |
- | Frontend Framework | React.js |
- | Backend Framework | Node.js with Express.js |
- | Database | MongoDB |
- | Authentication | Google OAuth |
- | Payment Gateway | Stripe |

System Architecture

[Insert System Architecture Diagram]





API Endpoints

Endpoint	Method	Description
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/users	POST	Create new user
/users	GET	Retrieve all users
/users/:id	GET	Retrieve user by ID
/users/:id	PATCH	Update user
/users/:id	DELETE	Delete user
/products	POST	Create new product
/products	GET	Retrieve all products
/products/:id	GET	Retrieve product by ID
/products/:id	PATCH	Update product
/products/:id	DELETE	Delete product

/orders	POST	Create new order
/orders	GET	Retrieve all orders
/orders/:id	GET	Retrieve order by ID
/orders/:id	PATCH	Update order
/orders/:id	DELETE	Delete order

Technical Challenges

1. Implementing authentication with Google OAuth
2. Integrating Stripe payment gateway
3. Designing scalable database schema
4. Handling errors and exceptions in application