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4+1 Method for the Restaurant Management System Architecture

View	Description
Logical	<p>Describes the most important classes, their organization in service packages and subsystems, and the organization of these subsystems into layers.</p> <p>Key artifacts: The logical view of the Restaurant Management System is comprised of the 2 main packages: User Interface and Business Objects. The User Interface Package contains classes for each of the forms that the actors use to communicate with the System such as Booking, Table, Order, Staff, and Items. The Business Objects Package includes entity classes for the restaurant artifacts (i.e. items, staff) and boundary classes for the interface with the menu and the billing Systems.</p> <p>main stakeholders: For Designers, Developers, Engineer Managers</p>
Process	<p>Describes the tasks (processes and threads) involved in the system's execution, their interactions and configurations. Also describes the allocation of objects and classes to tasks.</p> <p>Key artifacts: In the restaurant management system Processes exist to support order creation , booking creation, table allocation, Billing creation and menu creation.</p> <p>main stakeholders: Data specialists, Database administrators</p>
Development	<p>Describe system components of our application from the Management or Developers point of view.</p> <p>Key artifacts: component Diagram of this system has the following packages: Login, Change password, View order, Generate Bill, Create Staff, Update Menu, Manage Database.</p> <p>main stakeholders: For Management & Developers</p>
Physical	<p>Describes the deployment layout or infrastructure of an application. Describes potential deployment structures.</p> <p>Key artifacts: This system is a web application that will be hosted on a single physical server. The server application will be Apache Version 2 with PHP Processor for rendering dynamic pages. For the persistence of Data, a MYSQL Service will be installed on that server. The application will interface with external APIs such as Google Calendar.</p> <p>main stakeholders: For DevOps Engineers & Deployment Managers</p>
Scenario	<p>Describes the set of scenarios and/or use cases that represent some significant, central functionality for the application.</p> <p>Key artifacts: The Restaurant Management System use cases are:</p>

	<ul style="list-style-type: none">- View menu- Manage Table Allocation- Order Food/Drink- View Order status- View menu- Confirm order- Update order status- Process booking- View menu- Manage Staff- Manage Menu- Generate Report- Pay for meal- Process Bill- View floor status- Update floor status- Login <p>main stakeholders: Customer, Waiter, Manager, Chef, Cashier, Bar staff, Bus Boy</p>
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