



National University
of computer and emerging sciences

FINAL PROJECT REPORT

Title: Airline Reservation System
Course: Business Process Engineering

Submitted To:
Miss Sobia Iftikhar

By:
Muhammad Ayaz Hasan [20k-1044]
Ferdeen Bakht [20k-0219]
Syed Arsalan [20k-1718]

Section:
BS-SE (6A)

Fast Nukes, Karachi

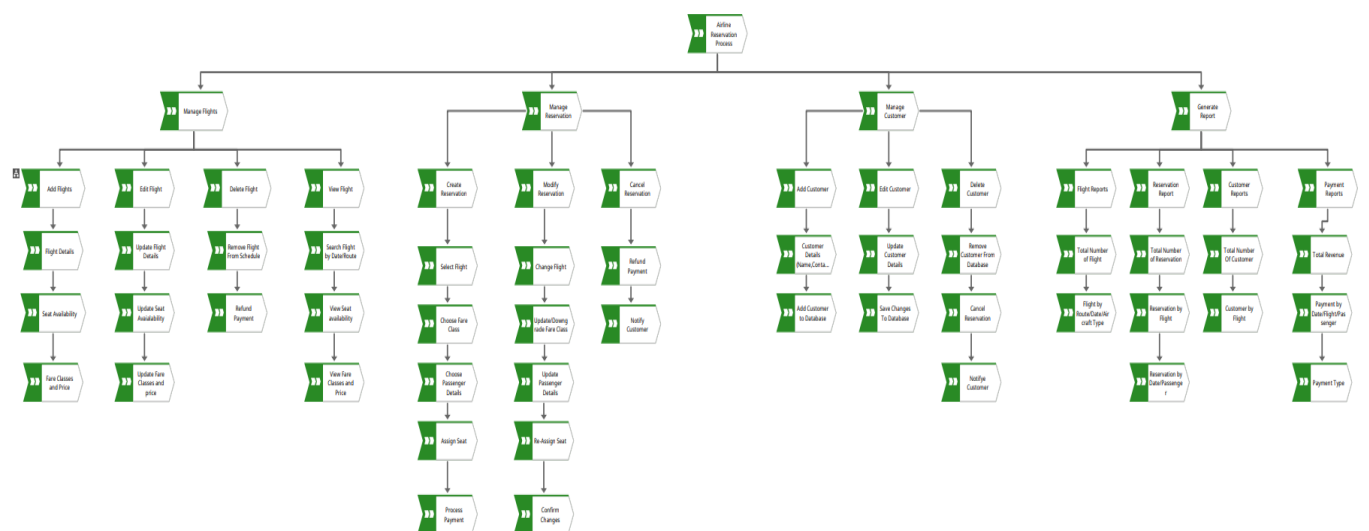
1. Description Level

The Airline Reservation System is designed to provide a reliable and efficient way for customers to book flights and manage their travel plans. With the system, customers can easily search for available flights, select their preferred seat, and make payments securely. The system also allows customers to modify or cancel their reservations as needed. The system is designed to provide a user-friendly interface that is easy to navigate, making it convenient for customers to use. With the Airline Reservation System, customers can be assured that their travel needs are taken care of in a timely and efficient manner.

2.Functional View

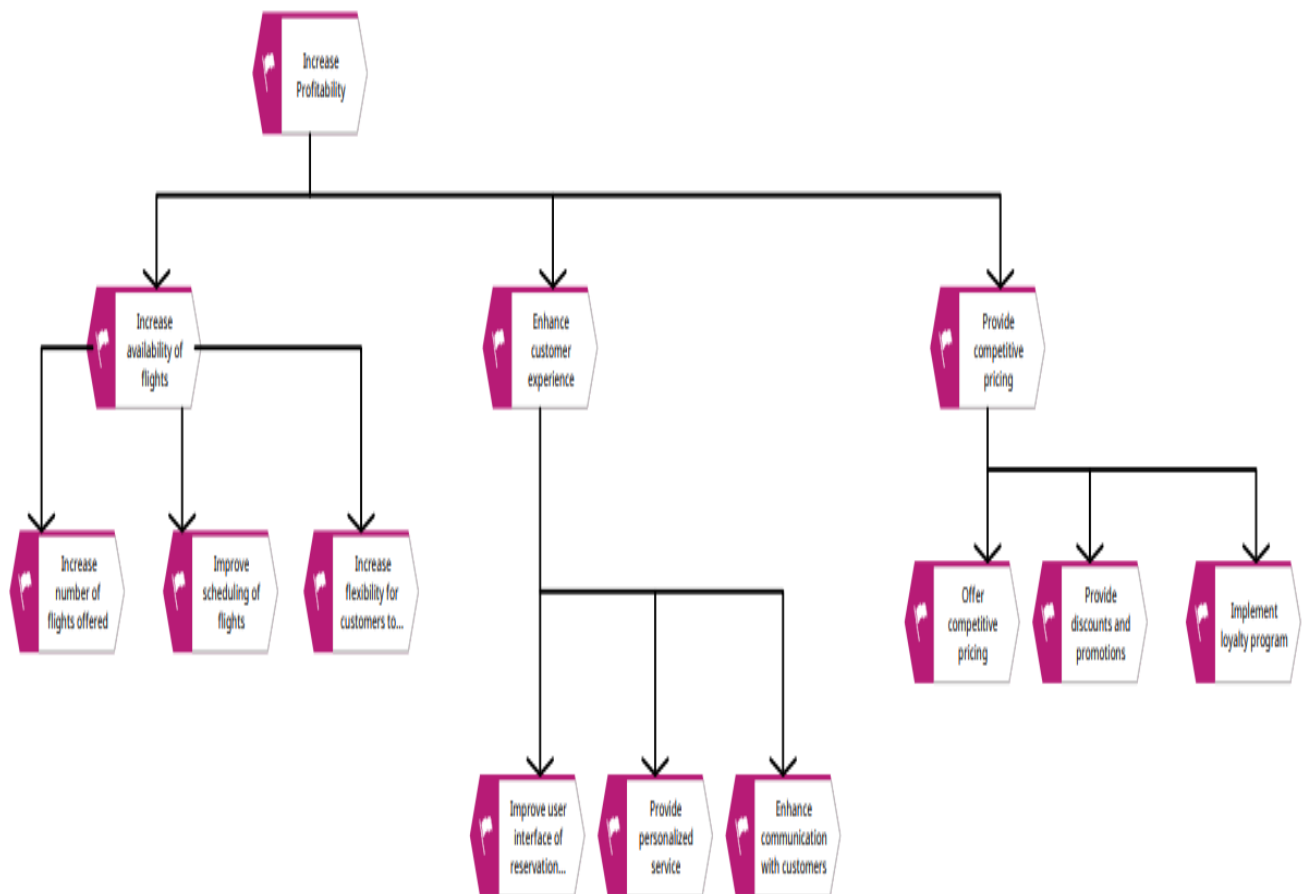
a.Function Tree

Shows the hierarchy of functions performed in a process, helping to identify sub-processes and key activities



b.objective diagram

Depicts the objectives of each function and how they contribute to the achieve overall goal of the Organization



3. Data View

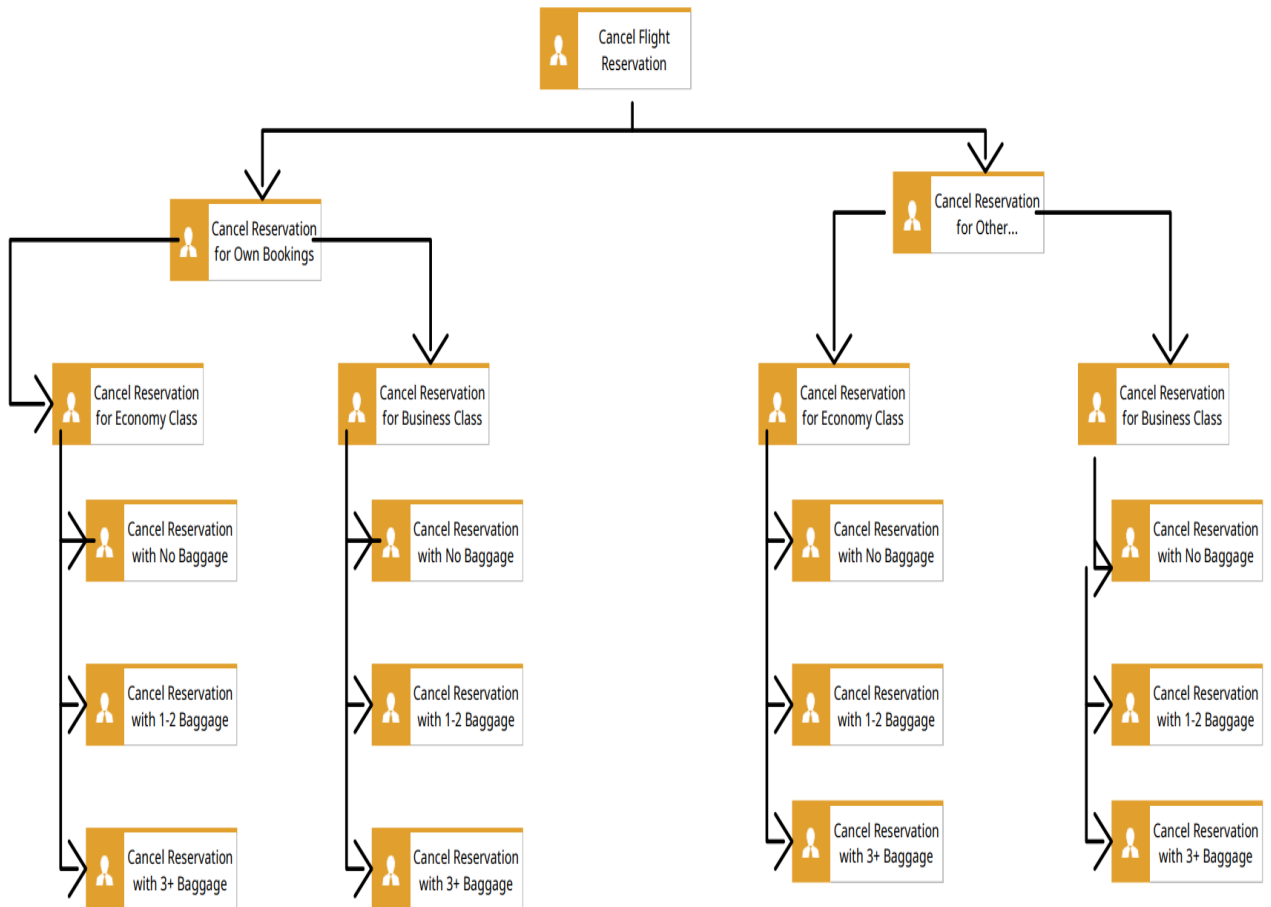
a.ERM

The ERM model consists of entities, attributes, and relationships. Entities are objects or concepts within the organization, such as customers, employees, products, or orders. Attributes are characteristics or properties of the entities, such as name, address, or quantity. Relationships define how the entities are related to each other, such as "one-to-one", "one-to-many", or "many-to-many" relationships.



b. Authorization Hierarchy

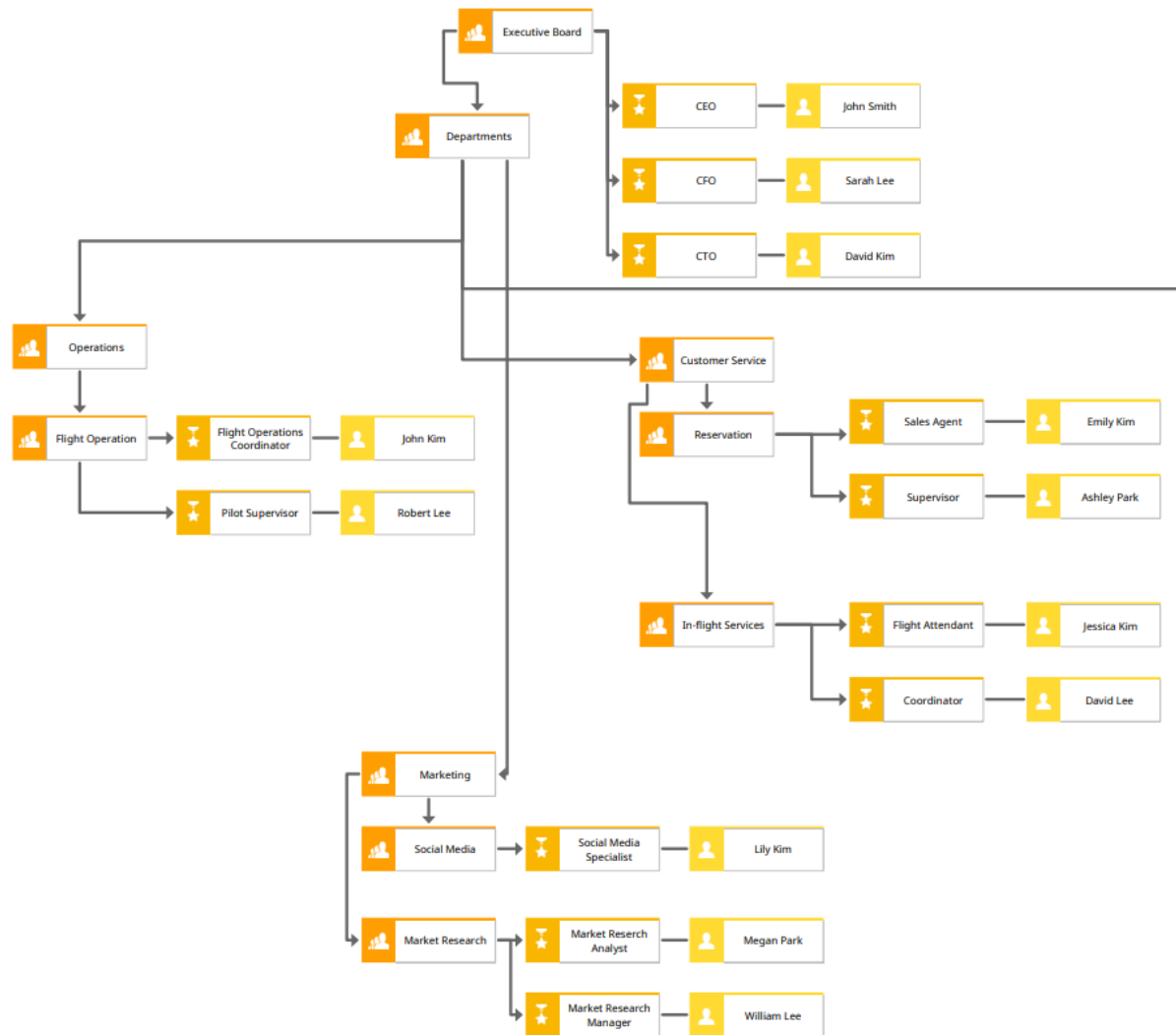
Displays the relationships between authorizations assigned to roles in an organization.



4. Organizational View

a. Organization Chart:

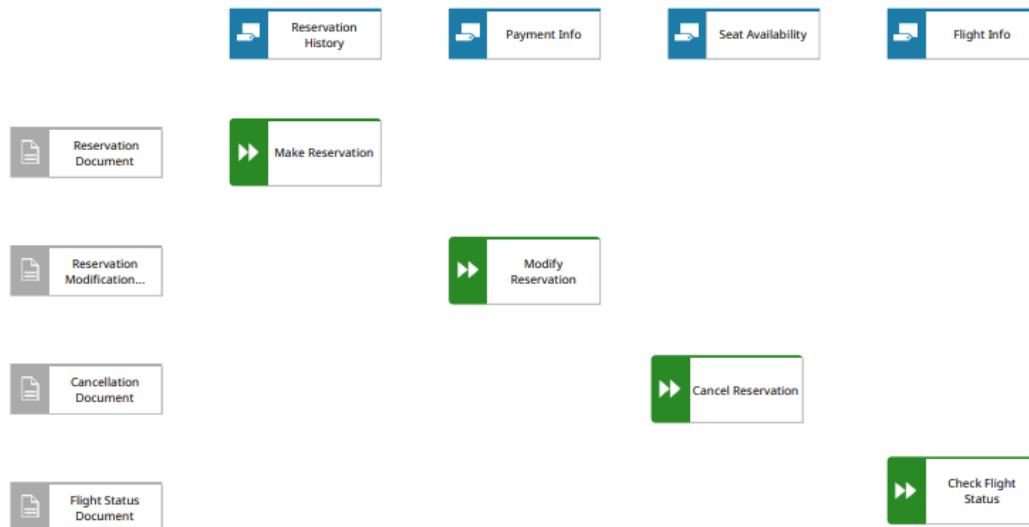
Shows the structure of the organization and the roles and responsibilities of individuals in the process.



5- Process View

a-Input Output Diagram

Shows the inputs and outputs of each function in the process and their relationship to other functions.



b-Role Assignment Diagram

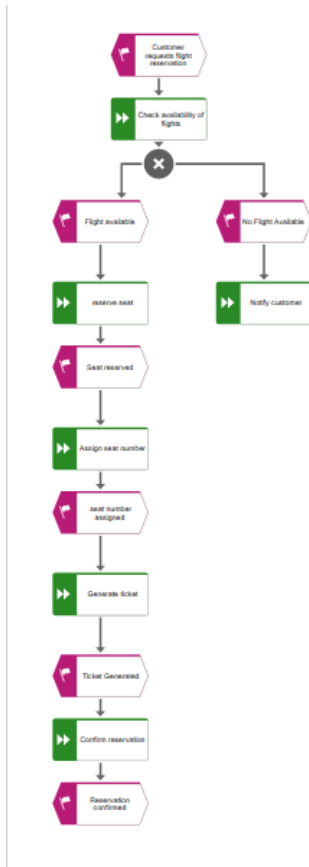
Shows which roles are responsible for which functions in the process.

Us...	 Executive Assistant	 Operation Manager	 HR Manager	 Brand Manager	 Finance manager
Screen	 Calender	 Operation Report	 Employee Information	 Brand Management	 Financial Report
Screen	 Email	 Flight Scheduling	 HR Report	 Branding Material	 Accounting Report
Screen	 Task Manager				

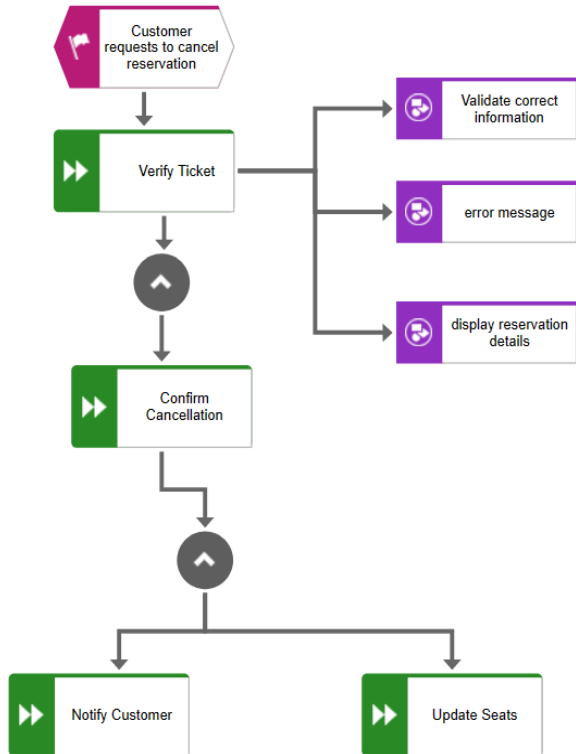
c. Entity Process Chain (EPC)

Depicts the process flow and interactions between functions, data, and organizational units.

1.Reservation EPC

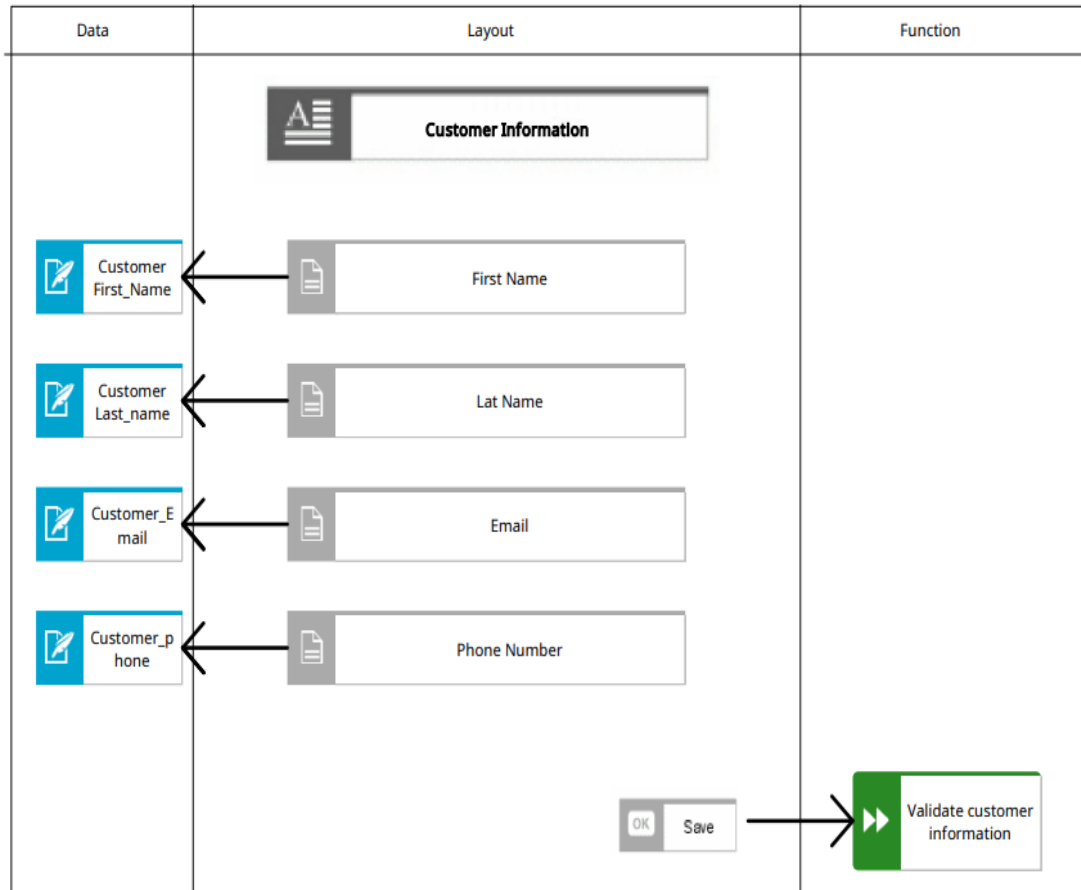


2.Cancel Reservation EPC



d.Screen Design

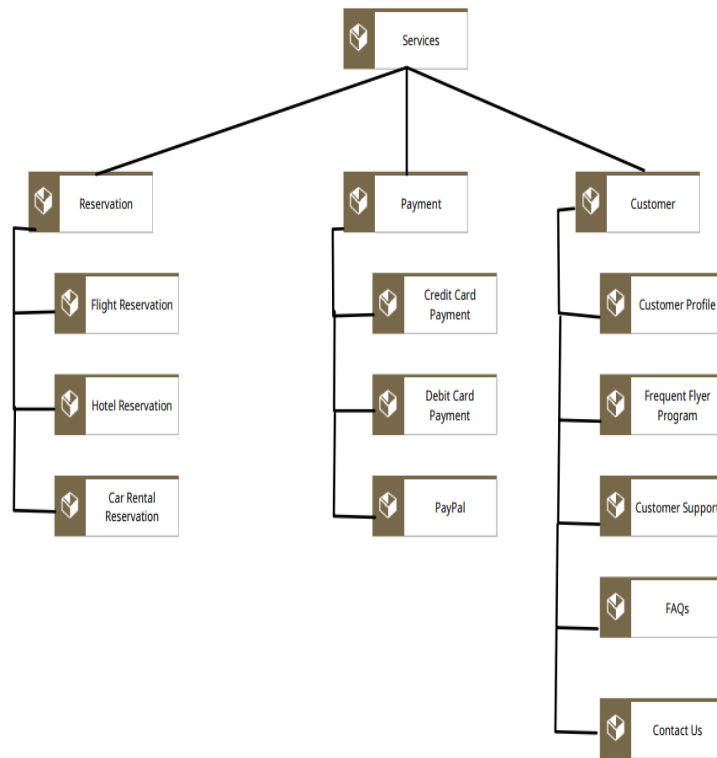
Depicts the process flow and interactions between functions, data, and organizational units.



6. Product/service modeling

Depicts the structure of a product or service and its components.

a. Product Tree



b.Competition Model

Supports the analysis and assessment of a company's competitive environment.

