**ERD Diagram**



**Relational Schemas**

Adventure(AdventureCode, AdventureDescription, Duration)

Primary Key(AdventureCode)

Customer(CustomerId, CustomerName, CustomerPhoneNumber,

CustomerAddress)

Primary Key(CustomerId)

Activity(ActivityCode, ActivityDescription)

Primary Key(ActivityCode)

Staff(StaffId, FirstName, SurName)

Primary Key(StaffId)

Skills(StaffSkills)

Primary Key(StaffSkills)

BroucherRequest(AdventureCode, DataRequest, DataSend, CustomerId)

Primary Key(AdventureCode, CustomerId)

Foreign Key(AdventureCode) references Adventure

Foreign Key(CustomerId) references Customer

Tour(AdventureCode, TourDate, TourPrice)

Primary Key(AdventureCode,TourDate)

Foreign Key(AdventureCode) references Adventure

Booking(CustomerId, AdventureCode, TourDate)

Primary Key(CustomerId, AdventureCode, TourDate)

Foreign Key(CustomerId) references Customer

Foreign Key(AdventureCode,TourDate) references Tour

Payment(CustomerId, AdventureCode, TourDate, PaymentDate, PaymentAmount)

Primary Key(CustomerId, AdventureCode, TourDate, PaymentDate)

Foreign Key(CustomerId, AdventureCode, TourDate) references Booking

StaffAssigned(AdventureCode, TourDate, StaffId, StaffLeader, StaffAssistant)

Primary Key(AdventureCode, TourDate, StaffId)

Foreign Key(AdventureCode, TourDate) references Tour

Foreign Key(StaffId) reference Staff

StaffSkills(StaffId, StaffSkills)

Primary Key(StaffId, StaffSkills)

Foreign Key(StaffId) references Staff

Foreign Key(StaffSkills) Skills

ActivityOffered(AdventureCode, TourDate, ActivityCode)

Primary Key(AdventureCode, TourDate, ActivityCode)

Foreign Key(AdventureCode, TourDate) references Tour

Foreign Key (ActivityCode) references Activity

Selection(ActivityCode, CustomerId, AdventureCode, TourDate)

Primary Key(ActivityCode, CustomerId, AdventureCode, TourDate)

Foreign Key(ActivityCode) references Activity

Foreign Key(CustomerId, AdventureCode, TourDate) references Booking

