HIDDEN GEMS FOR TOURISM

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Team Members

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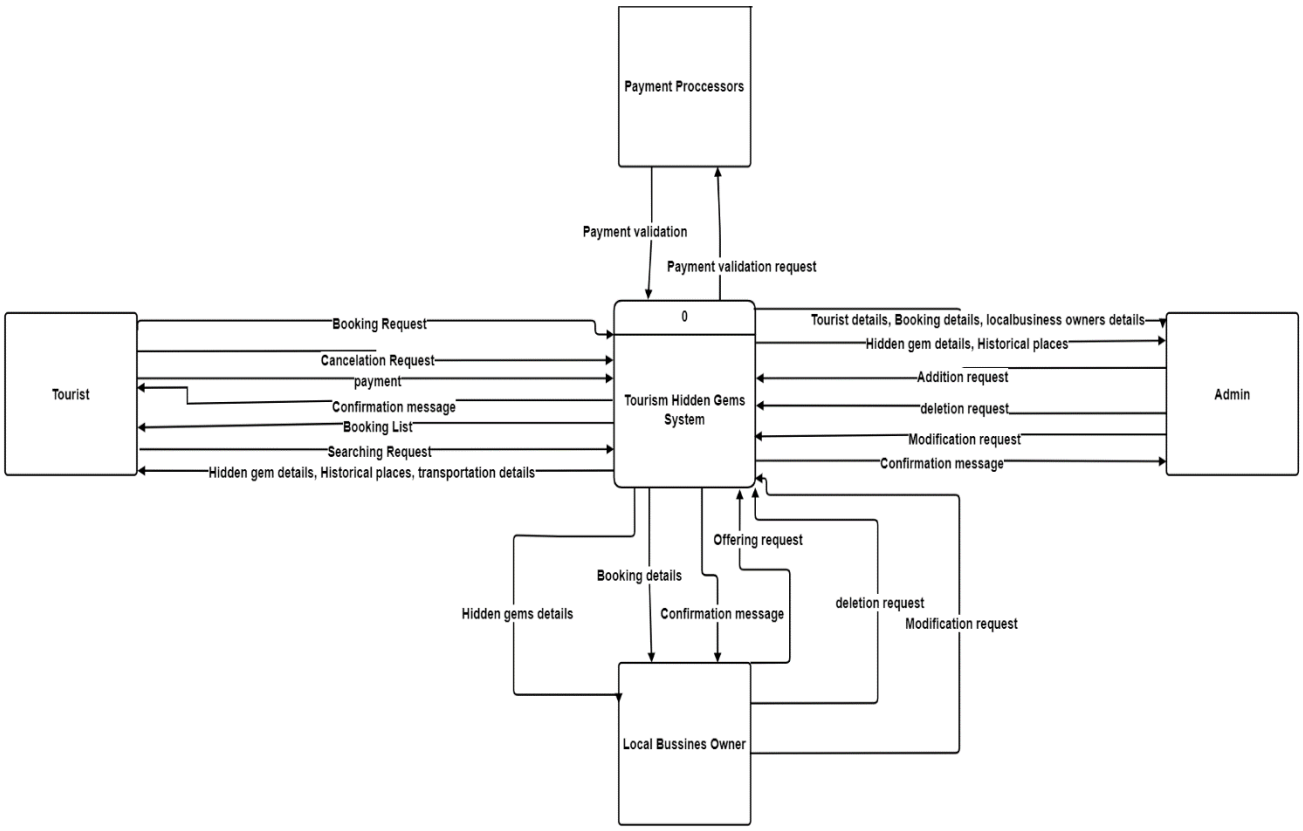
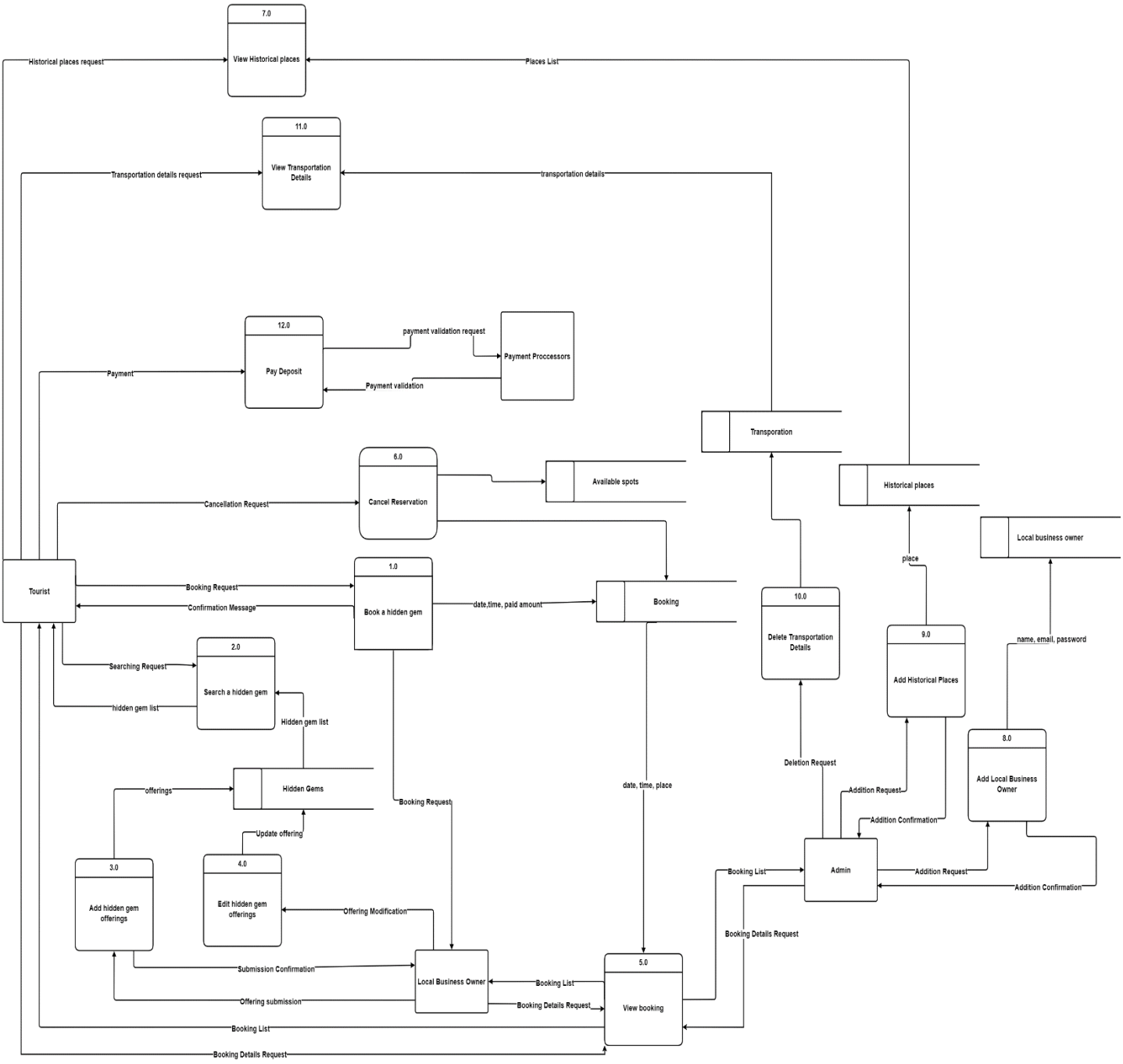
Context Diagram



DFD - Level 1


7.0
View Historical places
Historical places request
Places List
11.0
View Transportation Details
Transportation details request
transportation details
12.0
Pay Deposit
payment validation request
Payment Proccessors
Payment
Payment validation
Transporation
6.0
Cancel Reservation
Available spots
Historical places
Cancellation Request
Local business owner
place
Tourist
Booking Request
Confirmation Message
1.0
Book a hidden gem
date,time, paid amount
Booking
10.0
Delete Transportation Details
9.0
Add Historical Places
name, email, password
Searching Request
2.0
Search a hidden gem
hidden gem list
Hidden gem list
8.0
Add Local Business Owner
Deletion Request
Addition Request
Addition Confirmation
offerings
Hidden Gems
Booking Request
date, time, place
Update offering
3.0
Add hidden gem offerings
4.0
Edit hidden gem offerings
Offering Modification
Admin
Booking List
Addition Request
Addition Confirmation
Booking Details Request
Submission Confirmation
Local Business Owner
5.0
View booking
Booking List
Offering submission
Booking Details Request
Booking List
Booking Details Request

Structured English

RECEIVE user want to create account

BEGIN IF

IF user provides all required information for account creation

THEN user signup successfully

ELSE

SEND validation error and allow user to retry

END-IF

RECEIVE user want to login

BEGIN IF

IF email not exists

THEN email stored successfully

ELSE IF email already exists

THEN enter another email

END-IF

BEGIN IF

IF password match

THEN registered successfully

CREATE session for user

ELSE password doesn’t match and allow user to retry

END-IF

RECEIVE user books a hidden gem

BEGIN IF

IF user selects "hidden gem" category

THEN Display list of available hidden gem books

WHILE user has not made a selection

DO Allow user to browse or search hidden gem books

END WHILE

IF user book a place

THEN Display booking details

IF user confirms booking

THEN user want to pay the deposit

IF user pay the deposit amount successfully

THEN Display confirmation message

ELSE Display error message and allow user to retry

ELSE IF

Display confirmation message

IF user decided not to book a place

THEN Exist booking process

END-IF

END PROCESS

RECEIVE user want to cancel reservation

BEGIN IF

IF user requests to cancel reservation

THEN

SEND the cancelation to the local business owner

SEND confirmation message to the user

Display booking pages

ELSE Display booking pages

END-IF

RECEIVE Local business owners wants to add offerings

BEGIN IF

IF offerings does not already exist in the system

THEN

Add offerings to the system

Display offerings pages

ELSE

Display error message and allow Local business owners to add again

END-IF

RECEIVE Admin wants to deletes historical places information

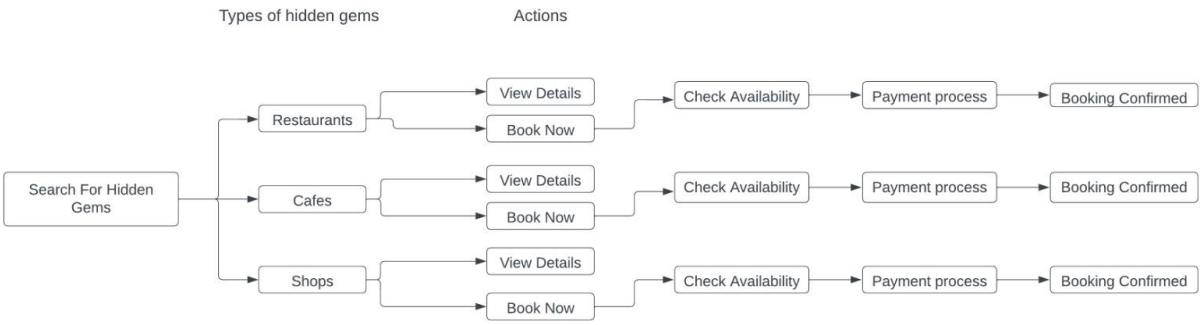
BEGIN IF

IF Admin wants to deletes historical places information

THEN

Delete historical places information

Display a list of the current historical places information

END-IF

Decision Tree