Major sessional assignment

OOAD
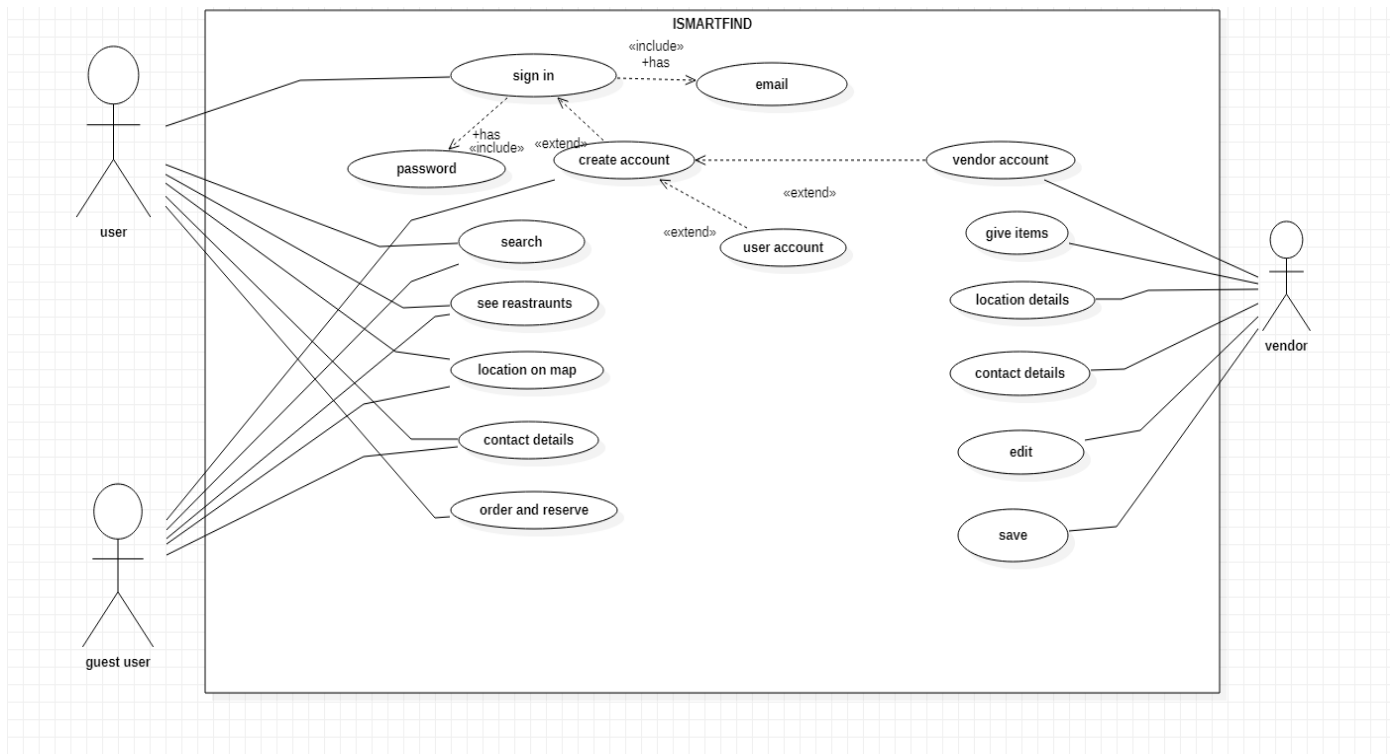
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Q1 draw a use case of FYP along with description?

Answer:

The FYP project ISMARTFIND the personalized city guide .the use case of this FYP contains the three general actors User, guest user and the business vendor . first actor the user perform actions such as sign in and give email and password which is verified by the database then he can go in the system to restaurants . see maps and locations navigation and he can also make an order through making a call to restaurants and see contact details .

the second actor the guest user can create the account in a system the and see restaurants near by him on basis of his current location the guest user can only see maps .

the third actor the vendor can give the detail about his business such as type of services he is offering and the give items list and edit and save details in the system.
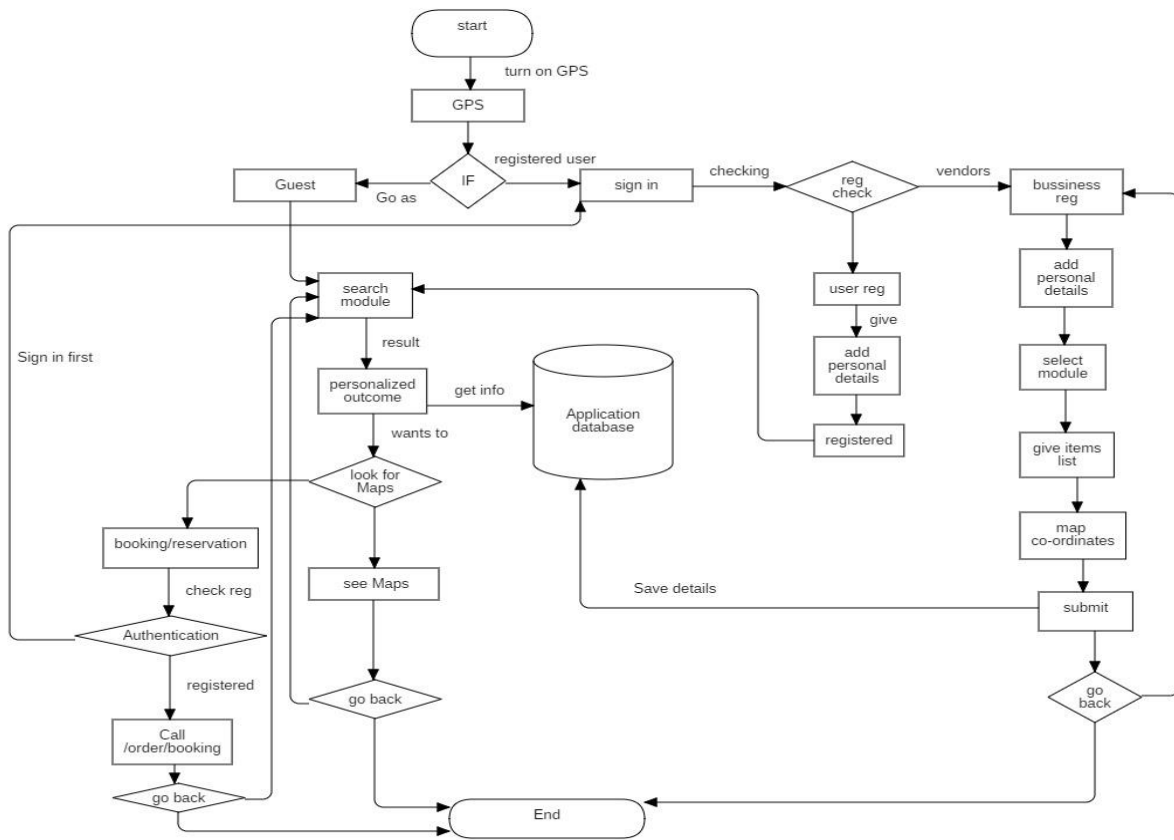

Q2

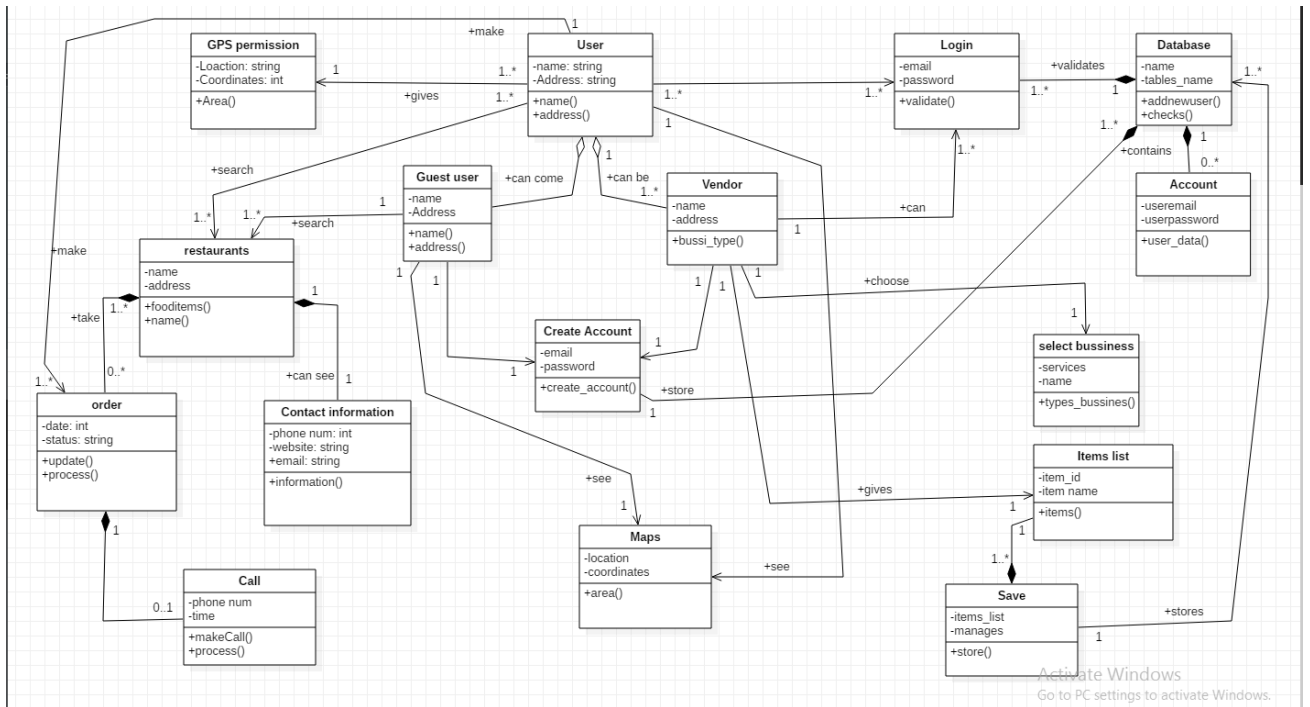Q1 draw a Activity diagram of FYP along with description?

Answer

The FYP project ISMARTFIND the personalized city guide have the activity flow that will start form the taking a user to give a permission to open the GPS .the have choice to either come as the guest user or login into system if he is not registered he can create account and have the choice to either create account as the user or the vendor of a system .the guest user can go search restaurants he can see personalized outcome and see maps of restaurants. The user can go search restaurants he can see personalized outcome and see maps of restaurants. order from the restaurants and see contact details of the system the vendor can give business details add personal information and give items list and location information.

Q3 Q1 draw a class diagram of FYP along with description?

Answer: The FYP project ISMARTFIND the personalized city guide. The class diagram contains the classes first we have GPS permission which contains the location details and coordinates of the user current location. The system has three user which are guest user and the vendor . user can search for the restaurants see maps order food through call and see contact detail .guest user can only see restaurants and maps and navigation. Vendor can create account give business details and items list and save them into database.

GPS permission
-Loaction: string
-Coordinates: int
+Area()

User
-name: string
-Address: string
+name()
+address()

Login
-email
-password
+validate()

Database
-name
-tables_name
+addnewuser()
+checks()

Guest user
-name
-Address
+name()
+address()

Vendor
-name
-address
+bussi_type()

Account
-useremail
-userpassword
+user_data()

restaurants
-name
-address
+fooditems()
+name()

Create Account
-email
-password
+create_account()

select bussiness
-services
-name
+types_bussines()

order
-date: int
-status: string
+update()
+process()

Contact information
-phone num: int
-website: string
+email: string
+information()

Items list
-item_id
-item name
+items()

Maps
-location
-coordinates
+area()

Save
-items_list
-manages
+store()

Call
-phone num
-time
+makeCall()
+process()

Q4

draw a sequence diagram of FYP along with description?

Diagram 1 — User / Guest User

Participants: user · check GPS · login · create account · database · Restraunts · Maps · Order food · contact details

- location permission
- allowed

alt
- valid User
  - enter login details
  - varify
  - valid
  - display home screen
- invalid user
  - Error

- request for account
- varify
- results

alt
- valid input
  - Add new user
  - Redirection
- invalid input
  - display error

- find restraunts
- display data
- see location
- load routes
- place order
- send order
- confirm order
- see info

guest user
- location permission
- allowed
- see nearby restaurants
- display results
- route finding
- display routs

Diagram 2 — Vendor

Participants: vendor · login · create account · Database · select bussiness · items list · save

alt
- valid user
  - Enter details
  - Varifies
  - valid
  - display details
- [invalid user]
  - invalid input

- Request for account
- Varify
- results

alt
- [valid details]
  - Add new user
  - redirection
- invalid
  - invalid input

- Selects bussiness
- Selected
- ADD new list
- Added
- Save items
- store
- Succesfully stored