# Fundamentals
# Of
# Software Engineering
# Group - 1
# Assignment - 2

Tuesday 17:30 - 19:00. Fall 21

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Sayra Rodriguez

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Instructor R. Singh

# B ased on your understanding of the above requirements, list functional and non-functional requirements for this project. (10 points)
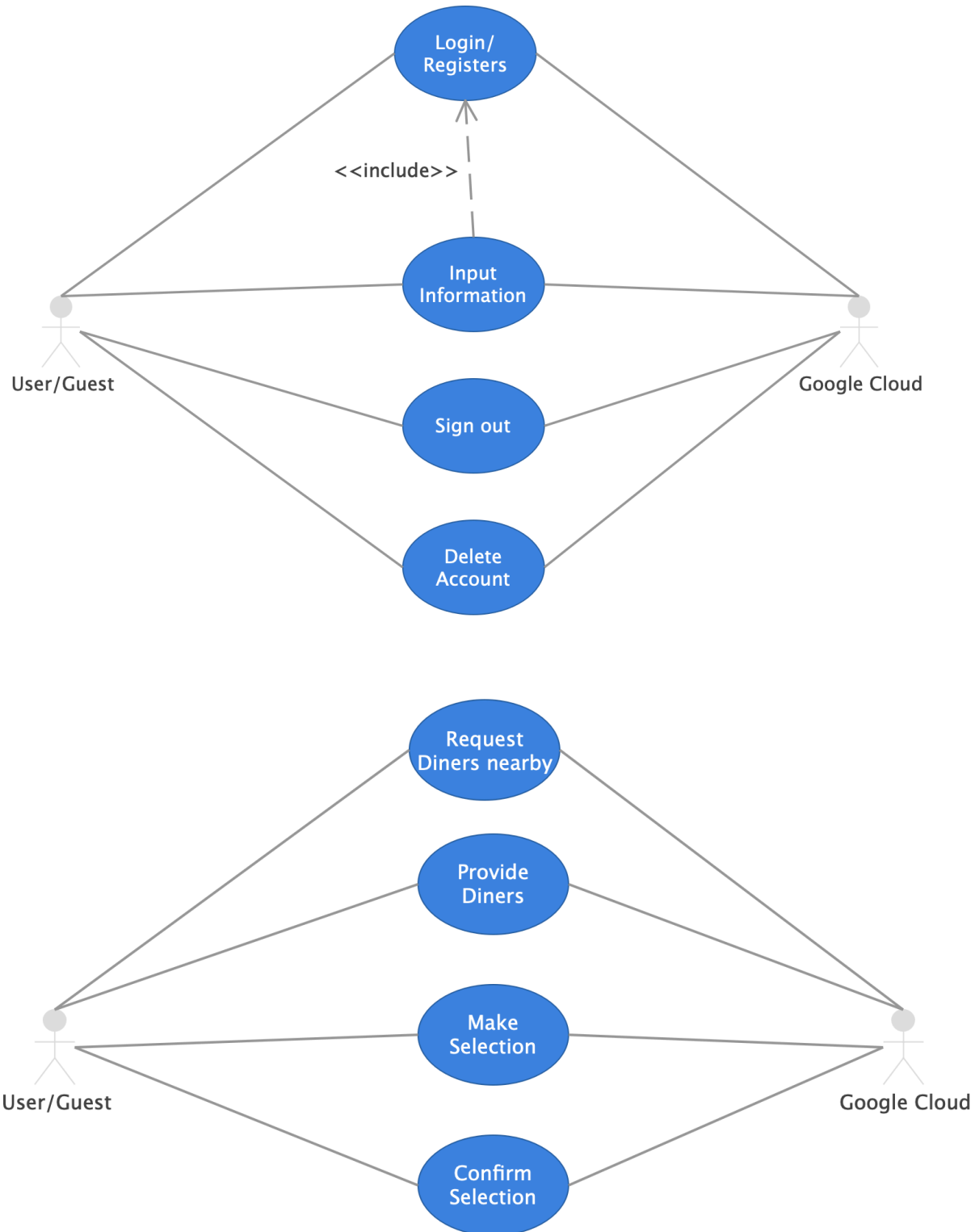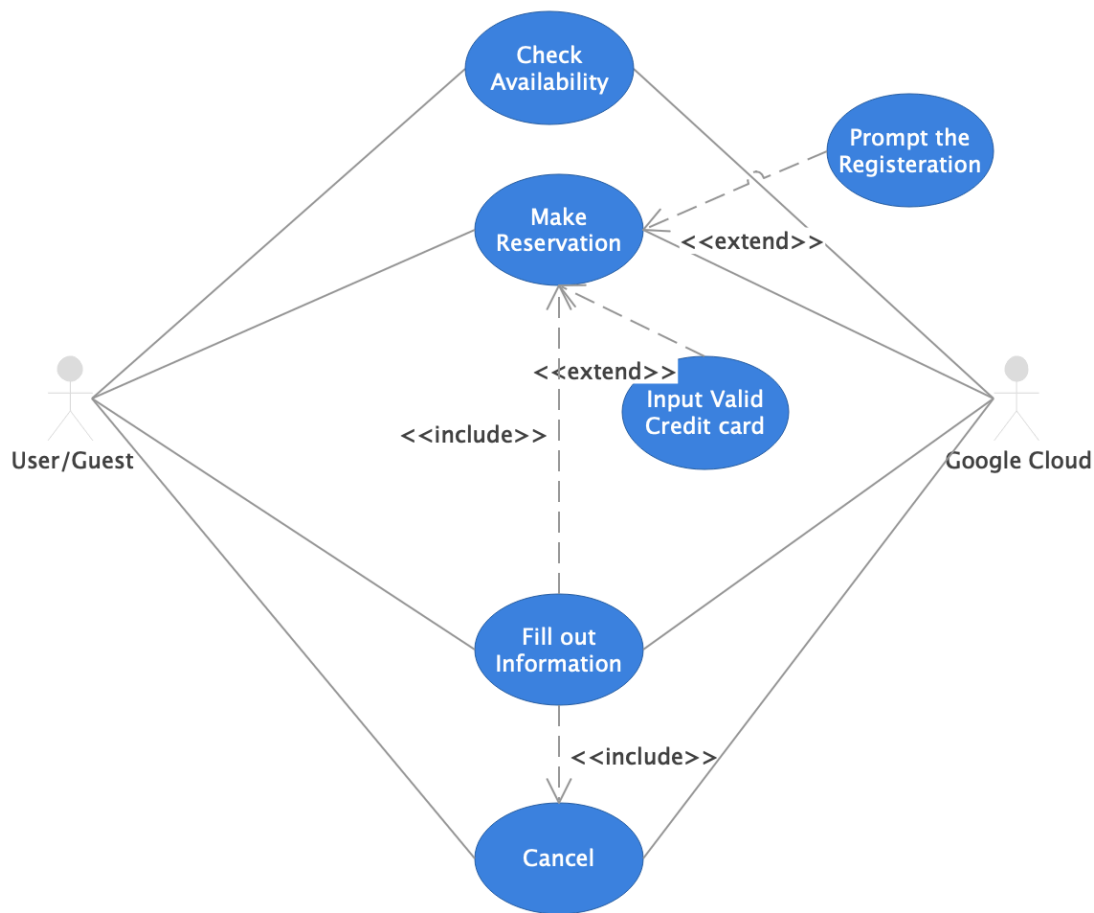
Google Cloud = System

## Functional requirements:
1. When user logins/registers, System needs to validate information
2. When user signs out, System should confirm this request
3. When user requests to delete an account, System should validate this and confirm deletion
4. User requests diners nearby, System should confirm the request
5. After the request is confirmed, System should provide list of nearby diners
6. User makes selections, System should confirm this selection
7. System should notify the user that their selection was confirmed
8. User requesting the availability at the specific diner at specific date and time, corresponding System should confirm this request
9. User requests to make reservation and if not signed in be prompted to fill out information and be prompted to register(optional), if its the weekend or special holidays, should be asked for valid credit card, again handled by System verifying the credit card and reservation
10. User may also request to cancel reservation, System should respond and confirm the cancellation

## Non-Functional requirements:
1. System should have options for logins/registration and guest.
2. System should provide name, phone, email, date, and number of guests input text fields.
3. System should provide tables with their capacities.
4. System should provide name, mailing address, billing address, preferred payment method input fields or options to choose.
5. System should require no show charges for weekends and holidays

# Use Case diagrams for each functional requirement. (15)



Login/
Registers

<<include>>

Input
Information

Sign out

Delete
Account

User/Guest

Google Cloud

Request
Diners nearby

Provide
Diners

Make
Selection

Confirm
Selection

User/Guest

Google Cloud

F ill in this table, provide as much details possible:

| Group Member Name | What is your contribution? | Discussion Notes |
|---|---|---|
| Ian Cooper | iOS Architect, Designer, Engineer | Focused on the functional part, listing use case diagram, how Google cloud will correspond to these requests |
| Sayra Rodriguez | Engineer | Listing non-functional requirements, ideas about the implementation of non-functional requirements |
| Jhaelon D Edwards Smith | Engineer | Listing non-functional requirements, user expectations and implementation |