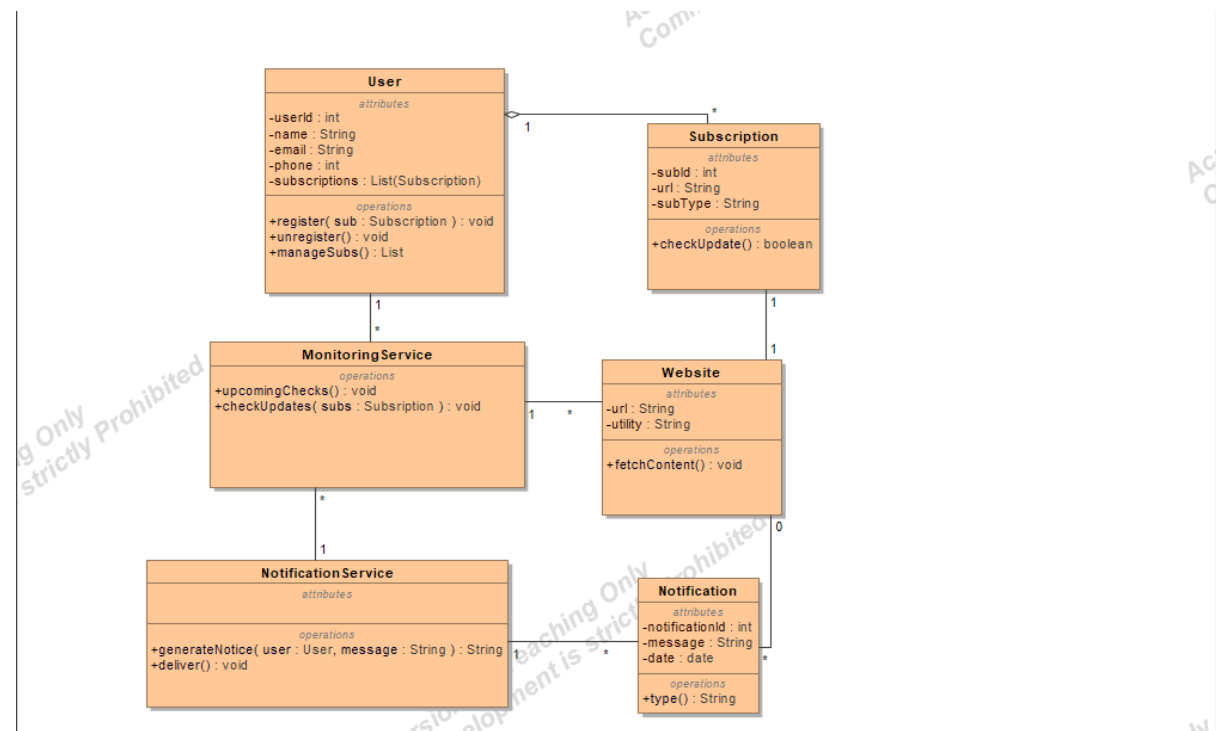Exercise 3

1.

2.

Finding the Responsible Class for a Method

Information Expert: Assign a method to the class that has the necessary information to fulfill it.

Controller (in GRASP): For system-level operations, introduce a controller class that receives input and directs it to domain objects.

b. Finding the Responsible Class for Object Creation

A class that aggregates, contains, or closely uses another class should be responsible for creating instances of that class.

3.

<u>CRC Card: User</u>

Responsibilities:

Register or unregister

Manage subscription list

Collaborators:

    Subscription

    Monitoring

CRC Card: Subscription

Responsibilities:

    Storing monitoring details

    Modify or cancel subscription

Collaborators:

    Website

    User

    Monitoring

CRC Card: Website

Responsibilities:

    Provide a method fetchContent() to retrieve current site data

Collaborators:

    Subscription

    MonitorService

CRC Card: MonitorService (Controller)

Responsibilities:

    Schedule and coordinate

Collaborators:

    Subscription

Website

NotificationService

CRC Card: NotificationService

Responsibilities:

Generate Notification

Deliver notifications via selected channels

Collaborators:

Notification

CRC Card: Notification

Responsibilities:

Format message content

Store date of notification

Collaborators:

NotificationService