



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**FACULTY OF COMPUTING**  
UTM Johor Bahru

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**Project: Phase 2**

**Section: 08**

**SECJ1023 PROGRAMMING TECHNIQUE 2**

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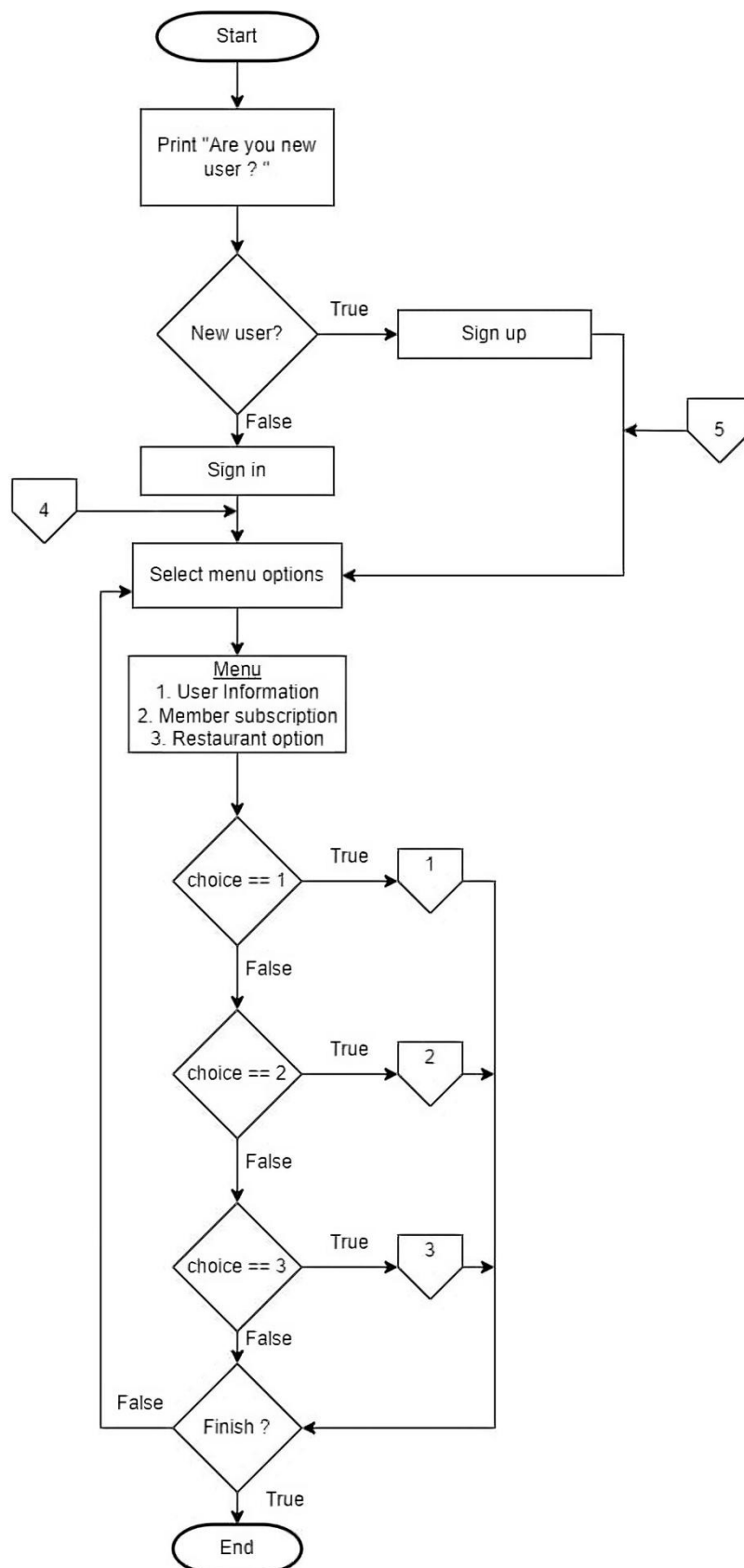
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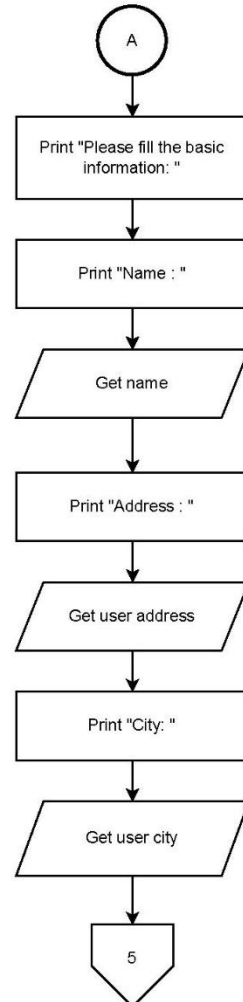
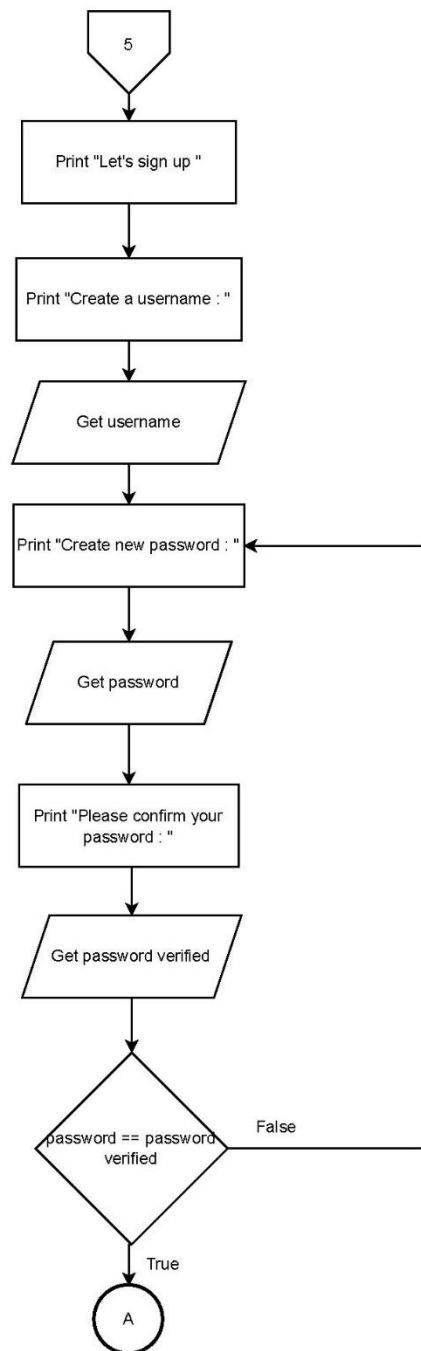
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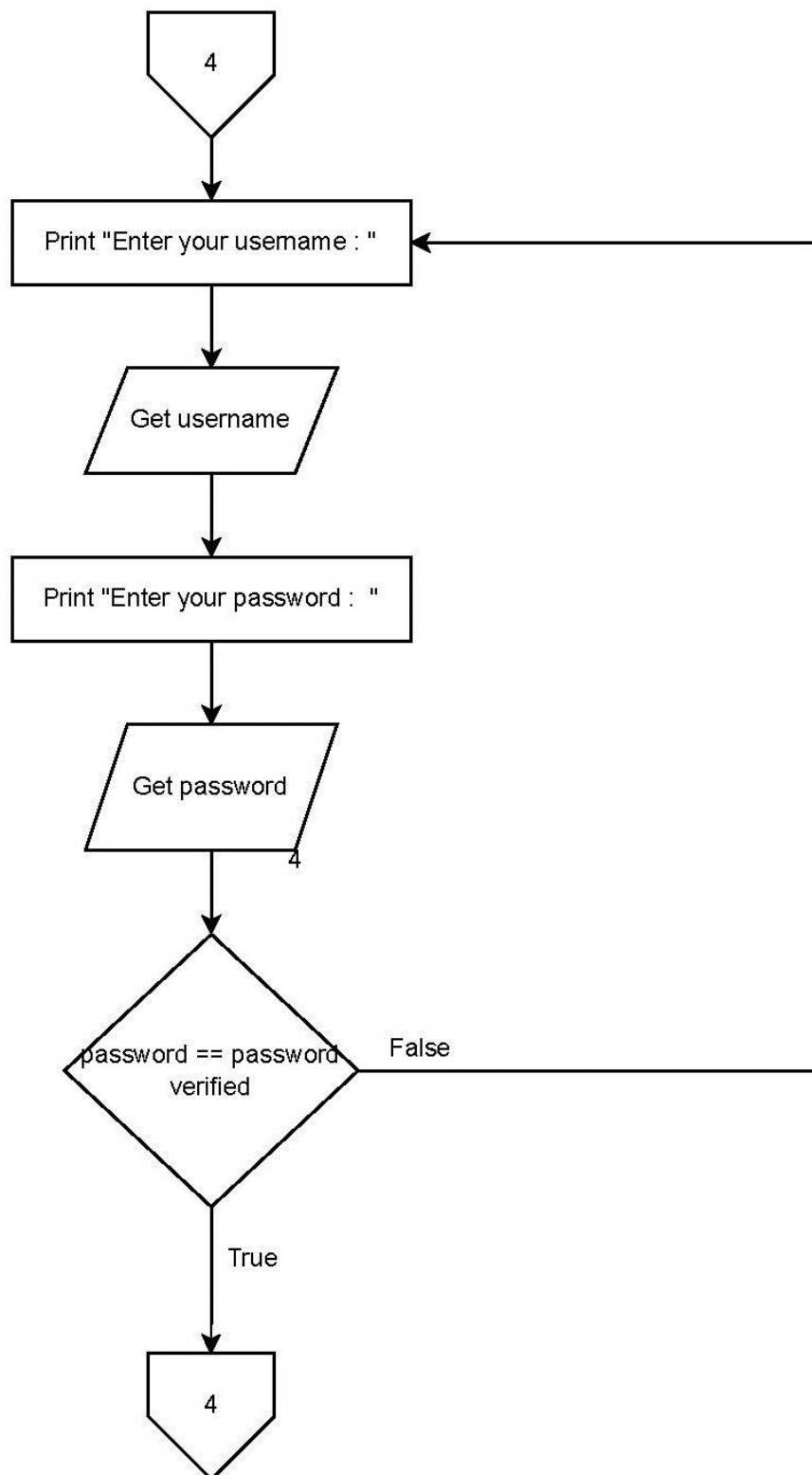
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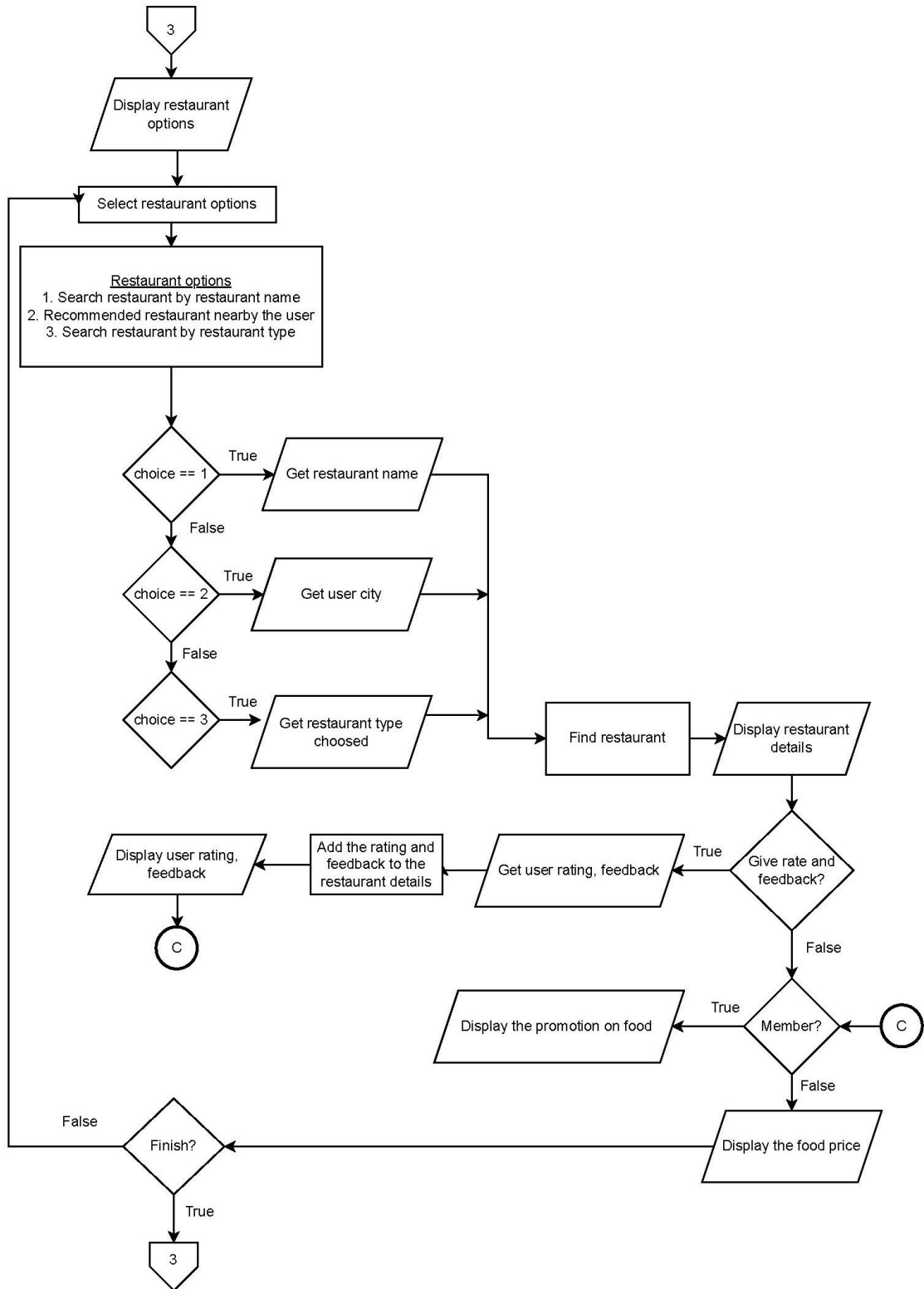
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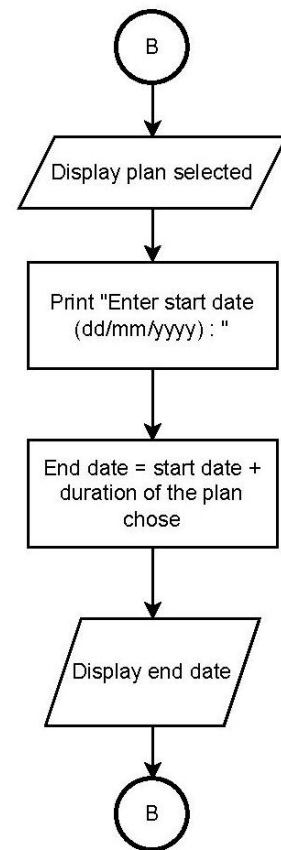
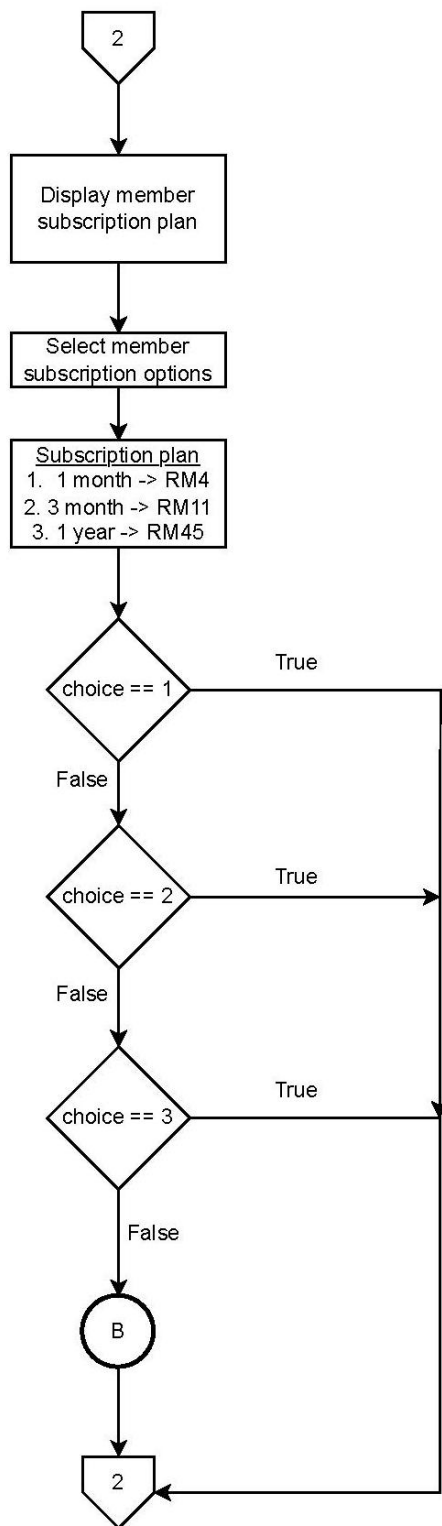
# Flow Chart

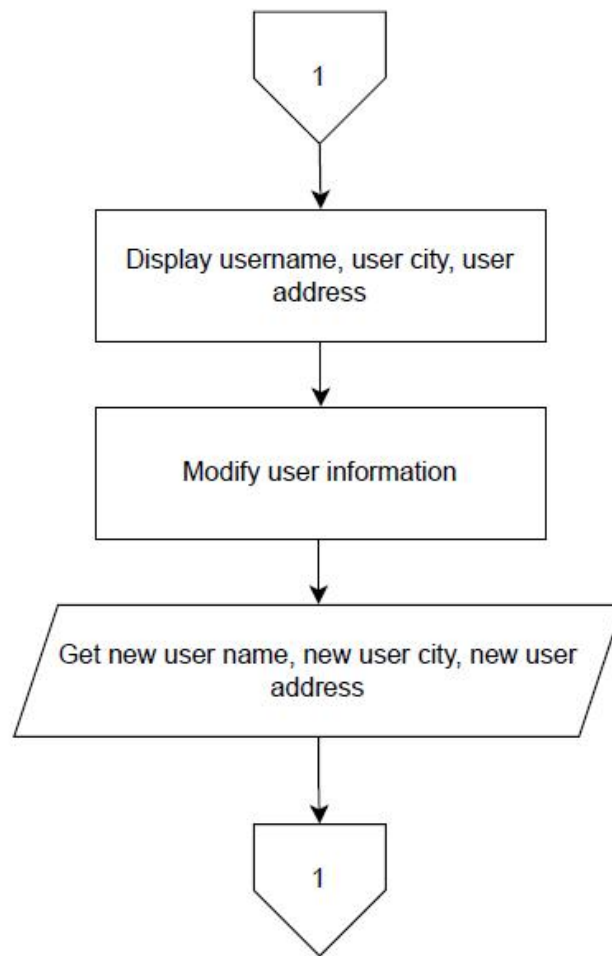














# Problem Analysis

Classes	Objects
User	Username Password Name Address Member
Address	Unit Road *City
City	Postcode CityName
Restaurant	RestaurantName AddRating() DisplayMenu() CalculateAvg() DisplayRating() numR AvgRating Rating Address Menu
Menu	Food Dessert Beverage DisplayMenu()
Fastfood	DisplayMenu() Menu
Cafe	DisplayMenu() Menu
Western	DisplayMenu() Menu

Classes	Objects
Member	Price Period StartDate Expiry DiscountRate Date Menu
Rating	Feedback Rating
Date	Day Month Year DisplayDay() DisplayMonth() PrintDate()

Composition		Justification
User	Address Member	I think the classes should be modeled with this relationship is because the Address, Member and Date Class will not exist alone. It need some other class to bring it out. For instant, we need to have a user first so that we can have an address from user.
Restaurant	Rating Address Menu	
Member	Date Menu	

Aggregation		Justification
Address	City	The city class is pointer to Address class because city already exist before get address from user, so it exist independently from the Address class.

Inheritance		Justification
Restaurant	Fastfood	I think the class should be modeled with this relationship because they have common objects such as name, address and menu. There is many type of restaurant, if we didn't use this relationship, it will become more inconvenient for customer to choose. By using inheritance relationship, customer can finding their favourite food faster and easier.
	Cafe	
	Western	

# Class Diagram

