Project Name: Internet Service Provider Automation System.

# **Presenters:**

- 1.Mahfuzur Rahman (221-15-5270)
- 2. Md. Jahidul Islam Shuvo (221-15-5003)
- 3. Md. Habibur Rahman Sojol (221-15-5904)

#### 1. User registration and authentication:

address, String phoneNumber) {

```
public class User {
  private String email;
  private String password;
  private String firstName;
  private String lastName;
  private String address;
  private String phoneNumber;
  private ServicePlan servicePlan; // Getters and setters for the user attributes
}
public class AuthenticationService {
  public static boolean authenticateUser(String email, String password) {
    // Implementation to authenticate user credentials
  }
}
2. User account management:
public class UserService {
  public static User createUser(String email, String password, String firstName, String lastName,
String address, String phoneNumber) {
    // Implementation to create a new user account
  }
 public static void updateUser(User user) { // Implementation to update user account information
public static void deleteUser(User user) {
                                                 // Implementation to delete a user account
  }
}
public class AccountController {
  public void updateAccountDetails(String email, String firstName, String lastName, String
```

```
User user = UserService.getUserByEmail(email);
user.setFirstName(firstName);
user.setLastName(lastName);
user.setAddress(address);
user.setPhoneNumber(phoneNumber);
UserService.updateUser(user);
}
```

## 3. Service plans management:

```
public class ServicePlan {
  private String name;
  private double price;
  private double dataLimit;
  private int speedLimit;
                                    // Getters and setters for the service plan attributes
}
public class ServicePlanService {
  public static void createServicePlan(String name, double price, double dataLimit, int
speedLimit);
                         // Implementation to create a new service plan
  }
  public static void updateServicePlan(ServicePlan servicePlan) {
         // Implementation to update a service plan
  }
public static void deleteServicePlan(ServicePlan servicePlan) {
    // Implementation to delete a service plan
  }
}
```

#### 4. Billing and invoicing:

## 5. <u>Customer support</u>:

```
public static void updateSupportTicketStatus(SupportTicket ticket, String status) {
    // Implementation to update the status of a support ticket
}
public static List<SupportTicket> getSupportTicketsForUser(User user) {
    // Implementation to retrieve all the support tickets for a user
}
```