

HEMOCARE SERVICES WEB APPLICATION

PSEUDO CODE:

START SYSTEM

Function **registerUser**(userDetails):

 If required fields are filled:

 Hash password

 Store user in database

 Return "Registration successful"

 Else:

 Return "Missing registration details"

Function **loginUser**(credentials):

 If credentials match database:

 Generate token

 Return "Login successful", token

 Else:

 Return "Invalid login"

Function **browseServices**():

 Fetch all services from database

 Return list of services

Function **viewServiceProviders**(serviceId):

 Find all providers offering that service

 Return list of providers

Function **bookService**(userId, providerId, serviceId, dateTime):

 Create booking with status "Pending"

 Notify provider

Return "Booking submitted"

Function **makePayment**(bookingId, amount):

Generate UPI QR code for amount

Wait for payment

If payment confirmed:

Update booking status to "Paid"

Return "Payment successful"

Else:

Return "Payment failed"

Function **trackBookingHistory**(userId):

Fetch all bookings for the user

Return booking history

Function **provideReview**(userId, bookingId, rating, comment):

If booking is completed:

Save review

Return "Review added"

Else:

Return "Cannot review incomplete booking"

Function **updateProviderProfile**(providerId, profileData):

Validate and save profile changes

Return "Profile updated"

Function **acceptOrRejectBooking**(bookingId, action):

If action is "Accept":

Update booking status to "Accepted"

Else:

Update booking status to "Rejected"

Notify user

Return "Status updated"

Function **viewProviderReviews(providerId):**

Fetch reviews for the provider

Return reviews

Function **manageUsers():**

Fetch all users

Admin can block, delete, or update users

Return updated user list

Function **manageServiceProviders():**

Fetch all providers

For each provider:

Verify Aadhar

If verified:

Mark as approved

Else:

Mark as pending

Return updated list

Function **manageServices():**

Add, edit, or delete services

Save to database

Return updated services list

Function **generateUPIQR(amount):**

Generate and return QR code for payment

Function **checkAuthentication**(token):

 Validate token

 If valid:

 Return true

 Else:

 Return false

END SYSTEM