\* Service provider online presence  
\* Decentralized service providers  
\* Performance review  
 \* Customer relies on network of people for the job with biased review.  
 \* No output can validate the quality of work.  
\* Indecisive availability  
\* Uncertain service cost

Manage Services

CRUD Service

Manage Cost/Service()

Bookings(Calendar)

Calendar(show available date) on Manage Serices

Show Calendar with bookings(change view to specific date, by week, by month)

both customer and SP(show appoinments upcoming, pending, past, cancelled)

Messsaging

Send Message

Attachments

Search individual and view Profile(show button "send a message" show "block/unblock")

Signup, Email Verification , Create Profile

1. As Customer, I want to Signup, when I provide Email as Username and password
2. As Customer, I want to Login, When I provide Username and password
3. As Customer, I want to Create a Profile
4. As Customer, I want to Retrieve specific service
5. As Customer, I want to Create a message SP
6. As Customer, I want to Create a review to a service
7. As Customer, I want to Create an Appointment
8. As Customer, I want to Update Appointment

U10. As Customer, I want to View SP availability while booking

1. As Customer, I want to view SP services
2. As Customer, I want to view Service Cost and Reviews
3. As Customer, I want to view service provider portfolio
4. As Customer, I want to view Upcoming appointment, When I log in to dashboard
5. As Customer, I want to view available services
6. As Customer, I want to view Ongoing Appointment
7. As Customer, I want to view upcoming Appointment
8. As Customer, I want to view Appointment History
9. As SP, I want to Signup, when I provide Email as Username and password
10. As SP, I want to Login, When I provide Username and password
11. As SP, I want to Create a Profile
12. As SP, I want to create a service
13. As SP, I want to Update a service
14. As SP, I want to retrieve list of services
15. As SP, I want to view reviews/service
16. As SP, I want to view, Upcoming appointment, When I log in to dashboard
17. As SP, I want to view booking Calendar
18. As SP, I want to view Ongoing Appointment
19. As SP, I want to view upcoming Appointment
20. As SP, I want to view Appointment History
21. As SP, I want to create Service cost
22. As SP, I want to Update Service cost
23. As Admin, I want to create new SP
24. As Admin, I want to retrieve list of SPs
25. As Admin, I want to retrieve list of Customers
26. As Admin, I want to delete SP
27. As Admin, I want to delete Customer
28. As Admin, I want to update SP
29. As Admin, I want to view low reviews SP
30. As Admin, I want to approve SP
31. As Admin, I want to approve Reviews
32. As Admin, I want to retrieve list of services
33. As Admin, I want to view reviews per service
34. As Admin, I want to view, Upcoming appointment per SP and Customer
35. As Admin, I want to view booking Calendar per SP and Customer
36. As Admin, I want to view Ongoing Appointment per SP and Customer
37. As Admin, I want to view upcoming Appointment per SP and Customer
38. As Admin, I want to view Appointment History per SP and Customer
39. As Admin, I want to view Service cost per SP

# Modules  
\*Authentication  
\*Registration  
\*Email Verification  
\*Profile  
\*Messaging  
- Search a user  
- Search within conversation  
- Block / Unblock  
- Attachment  
- CRUD  
-   
\*Service Provider - Future (For company, manage Personnel)   
 - Manage Payment(e-wallet)  
 - Manage Services   
 - Reports (Income, Performance, Client, Re-occurrence)  
 - Remarks(optional)  
 - Booking Calendar (Manual)  
 - Notification (Appointment for approval, re-schedule)  
 - Service Quotation (save as draft)  
 - Location  
  
\*Customer  
 - Manage Payment (e-wallet)  
 - Manage Booking  
 - Upcoming appointment (Cancel, Reschedule)  
 - Cancelled appointment (Re-use)  
 - Past appointment (Re-use)  
 - Ongoing  
 - Re-schedule   
   
 - List of Service Providers (per SP)  
 - Profile (Landing page)  
 - Message  
 - Reviews  
 - About  
 - Contact us  
 - List of Services (with quotation)  
 - CTA (Call to Action)  
 - Avail Service  
 - Booking Calendar(displays availability)  
 - Property Location  
 - Performance Review / feedback (star & remarks)  
\*Admin  
 - Review approval  
 - Manage Service Provider  
 - Manage Customer  
 - Reports (List of SP, Customer, Income, Low Reviews SP, Billing)

* If a customer creates appointment, add appointment to booking appointment List.
* If a customer creates appointment and choose a service -> service Provider, add appointment to service provider booking.

Booking

* String bookingId
* Appointment[] appointments
* Integer appointmentCount

Appointment

* String appoinmentId
* String time
* String date
* Service service
* String addressId (appointmentLocation -> Address Class)
* String status

Service

* String serviceId
* String uaId
* String name
* BigDecimal serviceTypeCost
* String category
* String serviceType
* String status

Review

* String reviewId
* String serviceId
* Double rating
* String feedback
* String status

UserAccount

* String uaId (Hash)
* Email
* Password
* String userType (Range)
* String status
* String lastName
* String firstName
* String contactNumber
* String addressId
* String birthdate
* String gender
* String image
* String bookingId
* Inbox[] inboxes

Address

* String addressId
* String houseNumber
* String lotNumber
* String blockNumber
* String street
* String barangay
* String City/Municipality
* String Province
* Int zipCode

Proof extends Profile

* String proofId
* String uaId
* String id1
* String id2
* String proofOfBilling

ServiceProvider (Proof - Sub-class)

* String uaId
* String serviceProviderId
* String accountStatus – (inactive, active)
* String backgroundChecked – (yes / no)
* String experience
* Language[] language
* String [] businessHours (Monday – Sunday) - 8am-5pm
* LocalDateTime[] availability

Customer (Proof - Sub-class)

* String uaId
* String customerId
* Address[] propertyLocation
* String bookingId

Inbox

* String inboxId
* String senderId
* String receiverId
* String messageToDisplay – (function nga mukuha sa last message)

Message

* String messageId
* String inboxId
* String senderId
* String receiverId
* String dateTimeSent
* String messageBody

Util

* SystemUtils
  + Tanan partition key
  + serviceId
  + uaId

DynamoDB

* ProfileDao
* ServiceDao
* AppointmentDao

Activity

* CreateUserAccountActivity
* GetUserAccountActivity
* UpdateUserAccountActivity
* CreateServiceActivity
* GetServiceActivity
* GetServicesByServiceProviderActivity
* UpdateServiceActivity
* CreateAppointmentActivity
* AddAppointmentToBookingsActivity
* GetBookingAppointmentActivity
* UpdateBookingAppointmentActivity
* GetBookingActivity
* GetBookingByCustomerActivity
* GetBookingByServiceProviderActivity (get date & time for availability reference)
* CreateReviewActivity
* GetReviewByServiceActivity
* UpdateReviewActivity
* CreateMessageActivity
* SendMessageActivity
* GetMessageByInboxIdActivity
* GetInboxByUserAccountActivity

Request

* CreateUserAccountRequest
  + String uaId
  + String email
  + String password
  + String userType
  + String status (default inactive)
* GetUserAccountRequest
  + String uaId
  + String userType
* UpdateUserAccountRequest
  + String uaId
  + String userType
  + String password
  + String status
  + String lastName
  + String firstName
  + String contactNumber
  + String addressId
  + String birthdate
  + String gender
  + String image
* CreateServiceRequest
  + String serviceId
  + ServiceProvider serviceProvider
  + String nameC
  + BigDecimal serviceTypeCost
  + String category
  + String serviceType
  + String status
* GetServiceRequest
  + String serviceId
* GetServicesByServiceProviderRequest
  + String serviceProviderId
* UpdateServiceRequest
  + String serviceId
  + String uaId
  + String name
  + BigDecimal serviceTypeCost
  + String category
  + String serviceType
  + String status
* AddAppointmentToBookingsRequest
  + String appoinmentId
  + String time
  + String date
  + Service service
  + Address address (appointmentLocation -> Address Class)
  + String status
* GetBookingByUserAccountRequest
  + String uaId
  + String userType
* GetBooking
  + /\*
* UpdateAppointmentBookingRequest
  + String appointmentId
  + String time
  + String date
  + String status
* CreateReviewRequest
  + String reviewId
  + String serviceId
  + Double rating
  + String feedback
  + String status
* GetReviewByServiceRequest
  + String reviewId
  + String serviceId
* UpdateReviewRequest
  + String reviewId
  + String serviceId
  + String Status
* CreateInboxRequest
  + String inboxId
  + String senderId
  + String receiverId
* CreateMessageRequest
  + String inboxId
  + String messageId
  + String senderId
  + String receiverId
  + String dateTimeSent
  + String messageBody
* GetMessageByInboxIdRequest
  + String InboxId
* GetInboxByUserAccountRequest
  + String uaId

Result

* CreateUserAccountResult
* GetUserAccountResult
* UpdateUserAccountResult
* CreateServiceResult
* GetServiceResult
* GetServicesByServiceProviderResult
* UpdateServiceResult
* CreateAppointmentResult
* AddAppointmentToBookingsResult
* GetAppointmentBookingResult
* UpdateAppointmentBookingResult
* GetBookingResult
* GetBookingByCustomerResult
* GetBookingByServiceProviderResult (get date & time for availability reference)
* CreateReviewResult
* GetReviewByServiceResult
* UpdateReviewResult
* CreateMessageResult
* SendMessageResult
* GetMessageByInboxIdResult
* GetInboxByUserAccountResult
* CreateMessageRequest
* SendMessageRequest
* GetMessageByInboxIdRequest
* GetInboxByUserAccountRequest
* CreateMessageActivity
* SendMessageActivity
* GetMessageByInboxIdActivity
* GetInboxByUserAccountActivity

Models

BookingModel

* String bookingId
* Appointment[] appointments
* Integer appointmentCount

AppointmentModel

* String appoinmentId
* String time
* String date
* Service service
* String addressId (appointmentLocation -> Address Class)
* String status

ServiceModel

* String serviceId
* String uaId
* String name
* BigDecimal serviceTypeCost
* String category
* String serviceType
* String status

ReviewModel

* String reviewId
* String serviceId
* Double rating
* String feedback
* String status

UserAccountModel

* String uaId (Hash)
* Email
* Password
* String userType (Range)
* String status
* String lastName
* String firstName
* String contactNumber
* String addressId
* String birthdate
* String gender
* String image
* String<> inbox - apply public Models

AddressModel

* String addressId
* String houseNumber
* String lotNumber
* String blockNumber
* String street
* String barangay
* String City/Municipality
* String Province
* Int zipCode

ProofModel

* String proofId
* String id1
* String id2
* String proofOfBilling

ServiceProviderModel (Proof - Sub-class)

* String uaId
* String serviceProvideId
* String accountStatus – (inactive, active)
* String backgroundChecked – (yes / no)
* String experience
* Language[] language
* String [] businessHours (Monday – Sunday) - 8am-5pm
* LocalDateTime[] availability
* String bookingId

CustomerModel (Proof - Sub-class)

* String uaId
* String customerId
* Address[] propertyLocation
* String bookingId

InboxModel

* String inboxId
* String senderId
* String receiverId
* String messageToDisplay – (function nga mukuha sa last message)

MessageModel

* String messageId
* String inboxId
* String senderId
* String receiverId
* String dateTimeSent
* String messageBody

Enum

* ServiceType (Enum) - per Hour, job order, contractual
* Language (Enum)
* Time (Enum) – 8am, 9am, 10am-
* Status (Enum) – ongoing, upcoming, cancelled, completed, approved, denied, active, inactive
* Experience (Enum) - less than 3 years, more than 3years
* UserType (Enum) – customer, service Provider, Admin

Model Converter

* Methods
  + toBookingModel
  + toAppointmentModel
  + toServiceModel
  + toReviewModel
  + toUserAccountModel
  + toAddressModel
  + toProofModel
  + toServiceProviderModel
  + toCustomerModel
  + toInboxModel
  + toMessageModel