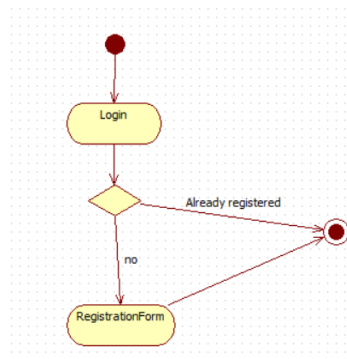
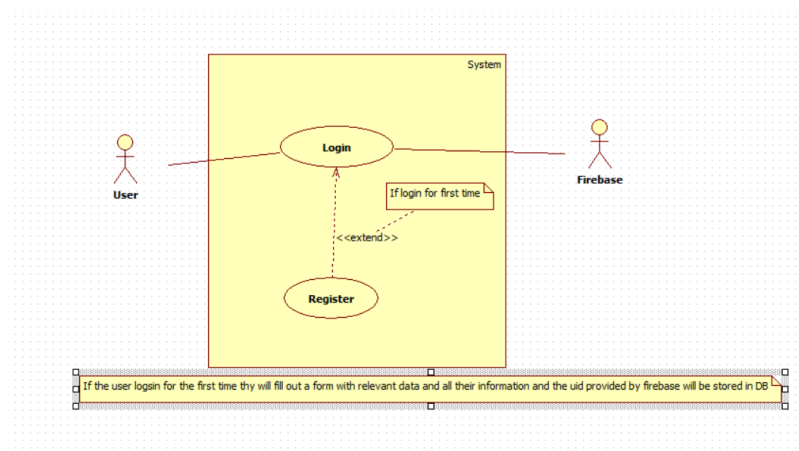


# Social Fitness

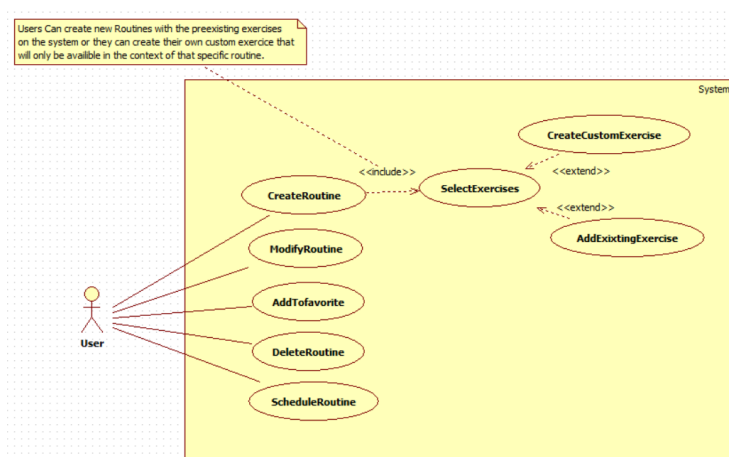
First iteration:

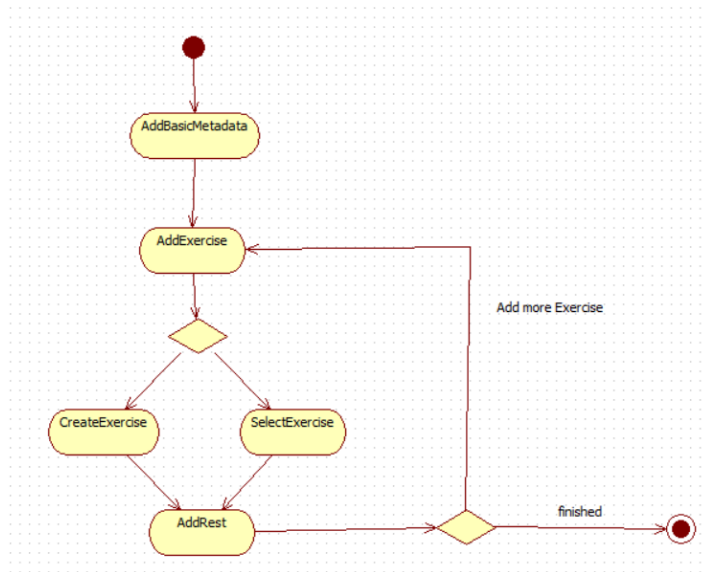
Features:

- Auth Feature:
  - Users must be able to login with their google account.
  - If it's their first time logging in they must register.

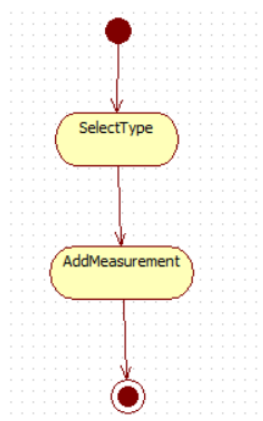
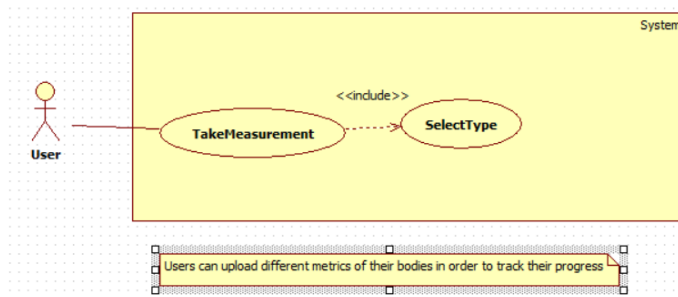


- Routine Management Feature:
  - Users must be able to create new routines based on preexisting exercises.
  - Users can modify the routines that they have created.





- Measurements Management Feature:  
-Users can add body metrics.



## Components:

- Api Gateway
  - Recieve all requests and direct them to the corresponding microservice
  - Authenticate Requests via Firebase
  - Support https

- DiscoveryService
  - Locate all microservices
  - Loadbalance
- User Microservice
  - Create users
  - Delete users and create events form data deletion
- Routine Microservice
  - Create routine
  - Delete routine
  - Modify existing routines
  - Listen for user deletion events
- Measurements Microservice
  - Create measurements
  - Delete Measurements
  - Listen for user deletion events
- Exercise Microservice
  - Internal microservice
  - Only used to serve exercises for the routine service from db
- Rabbitmq
  - Used to send user deletion events and possible fail events for saga pattern