

# Backend Workflow Summary

- when signup
  - user registered with the “guest” role
- when signin
  - user login with “admin” role
    - successful login : return JWT token
    - error occurred : return error
  - user login with “guest” role
    - successful login : return JWT token
    - error occurred : return error
  - ※ token includes user’s **ID** and **role**
- query all users and single user by ID (with authentication)
  - verify **token** to check user’s **authentication** whether user logged in
- create user (with authentication and authorization)
  - verify **token** to check
    - **authentication** whether user logged in and determine which user someone is.
    - **authorization** whether user have “admin” or “guest” role
  - ※ only user that have “admin” role can create user
- update user (with authentication and authorization)
  - verify **token** to check
    - **authentication** whether user logged in and determine which user someone is.
    - **authorization** whether user have “admin” or “guest” role
  - ※ only user that have “admin” role can update user
- update user by ID (with authentication)
  - verify **token** to check
    - **authentication** whether user logged in and determine which user someone is.
  - ※ this is for user that have “guest” role to update their profile.
- delete user (with authentication)
  - verify **token** to check
    - **authentication** whether user logged in and determine which user someone is.
    - **authorization** whether user have “admin” or “guest” role
  - ※ only user that have “admin” role can delete user