Web-based Activity Sculpture Creator Flow Diagram

User	Client	Server	Database	Withings API

App URL call ⇢ Receive HTTP request

Responds with index.html → Angular loads app modules and renders welcome page

Show consent modal window

Repsonds consent

Disagree → ● User is not allowed to use the configurator

Agree → Start OAuth flow → Requests authentication to Withings API endpoint ⇢ Process 3 step oAuth authentication

Redirect to callback URL with authentication tokens and user number

Save tokens to session cookie ⇠

Query search user in DB → Search user with user number

Not found → Create user

Create user → Redirect to dashboard with user data

Found → Redirect to dashboard with user data

Redirect to dashboard with user data → Load user settings → Query user settings → Search user settings

Not found → Respond with code 500 → Show settings window → Fill in setup information

Settings found

Error in from → Form validation

Fill in setup information → Form validation

Input success → Save settings for user query → Save settings