Makers-unite design doc

Purpose:
Social Network for makers to share and sell their projects, find maker spaces and connect with one another.

Server Infrastructure:
- Database
  - OrientDb Graph – The makers-unite app
  - OrientDb Document – Session storage
- Makers-unite Server
  - Node.js
    - Express
    - Swagger-ui
    - Passport
      - Strategy: passport-local
  - Docker
    - Images
      - Makers-unite – Uses the below images
      - Node – A node.js environment
      - orientdb – An OrientDb instance
    - Containers
      - orientdb – The orient db instance
        - orientdb image
        - Volumes (image path → local path)
          - /orientdb/backup → <proj-dir>/server/orientdb/backup
          - /orientdb/databases → <proj-dir>/server/orientdb/databases
        - Ports (image → local)
          - 2480 → 2480 – OrientDb Studio
          - 2424 → 2424 – Db Connections
      - Makers-unite – The makers-unite http server
        - Nodejs image
        - Makers-unite image
        - Volumes (image path → local path)
          - /usr/makers-unite/server/dist → <proj-dir>/server/dist
          - /usr/makers-unite/server/src → <proj-dir>/server/src
        - Ports (image → local)
          - 3000 → 3000 – Browser access
          - 5858 → 5858 – VSCode Debugging

makers-unite Graph Structure

Address

ASharable

ALocatable

Person

shared

locatedAt

visited

tutors

ALikable ←liked— Person —knows→ Person

rated

authored

ARateable

created

Article

Project

collaboratedOn

Person

Address

locatedAt

ALocatable

visited

Person

Person

commentedOn

Comment

commentAbout

ACommentable

MakerSpace

locatedAt

Address

Person

said

Message

sentTo

Person