1   Getting started

1.1   Prerequisites

This application has been tested in this environment:

- OS/Platform: Windows x64
- Java installed: recommended v1.8 (https://www.java.com/es/download/)
- Chrome installed (no mandatory)

1.1.1   Repositories

- **Clone the Github repository:**
    - Create a folder: e.g. "my_project"
    - Open a shell command within of the previous folder: "my_project"
    - Write: git clone https://github.com/igomezgithub/3d-models-project.git

1.1.2   Execute this application

- **App route:**
    - my_project\3d-models-project\dist
    - This is the application: "**3d-models-project-0.0.1-SNAPSHOT.jar**"

- **Execute .jar:**
    - Open a shell command in the application (.jar) path folder:
        e.g. "my_project\3d-models-project\dist\"

    - Write: *java -jar 3d-models-project-0.0.1-SNAPSHOT.jar*
    - Click on "Intro"
    - The application will be deployed when this message is displayed: *"Started Application in xxx seconds…"*

- **Launch 3d-models application:**
    - Open a browser (recommended "Chrome"):
    - Write: *http://localhost:8080*
    - Click on "Intro"
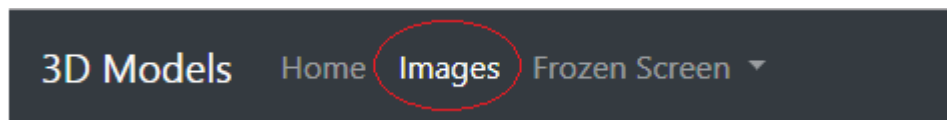   - 3D Models application must be displayed

1.1.3 Issues

There is an issue when any 3d model is loaded.

Steps to reproduce:

1. Click on Load button to load the 3d model.

Id	Name	Description	Date	Edit	Delete	Load
1	Image test 1	Image description 1	2018-01-01	Edit	Delete	Load

2. The 3d model is displayed
3. Back to main menu from "Images"

4. Go to create new image from "Create image" button
5. Click on textbox "Name" or "Description"
6. The user cannot write into the textbox

Solution:

1. Click on "Frozen Screen > Fix issue".
2. The main menu will be reloaded
3. Click on "Create image" button
4. Introduce the Name and Description.

1.1.4 Technologies

- **Tools**
  - Java SE Developement Kit (JDK) v1.8.0_171
  - Git for Windows v2.17.0
  - Maven to manage dependencies
  - MySQL Community and H2 embedded database
  - Node.js

- **IDE for Developers**
  - Back-end: Eclipse IDE for Java EE Developers. Version: *Oxygen.3a Release (4.7.3a)*
  - Front-end: Atom

- **Frameworks**
  - Spring Boot
  - Angular 5

1.1.5   Requirements implemented

- **The server allow:**
    - Create (only text)
    - Update
    - List
    - Delete

- **The app client:**
    - User interface to allow CRUD
    - Load 3D models previously saving in the server
    - Format 3D models: .OBJ + .MTL files