

GitHub Repositories

This page contains information about and links to the four GitHub repositories that our team created for this project.

Frontend

The frontend is responsible for displaying product data, procuring orders, and displaying 3D models and parameterized data for Holyoake products.

The source code can be found at: <https://github.com/ansabkhaliq/frontend>

Backend

The backend is responsible for importing data from the SQUIZZ Platform API into our MySQL database. It also handles CRUD operations, authentication, and serving product data (including 3D model data and general product data) to the frontend.

The source code can be found at: <https://github.com/ansabkhaliq/backend>

IFC Converto Utility

The utility is used to convert the IFC files to the 3D model files. It is also used to convert the Text files containing parametrized data in to JSON file.

The source code can be found at: <https://github.com/ansabkhaliq/IFCConverto>

The utility also integrates with the Backend and the S3 bucket to automate the process of associating converted models and the parameterized data with the respective products

IFC Converto Library

This is a library project, the purpose of this project is to take the '.exe' file that we are using to convert the IFC files in to the 3D models and convert it in to a '.dll' library. This library is then consumed in the IFC Converto library to perform the conversion of files from IFC to 3D models.

This project can build '.dll' file either in 64bit or 32bit, depending upon what kind of build options you are using. (The build options are configured already, you just need to choose the build options from the dropdown within Visual Studio)

The source code for this project can be found at: <https://github.com/ansabkhaliq/IFCConvertoLibrary>