Requirements Document

Team Name: **ViewCrobe Software**

## Goals

Our project

* Shall have an intuitive user interface for inputting sample data.
  + Tentatively, this would entail some process for loading a file, and then selecting a subset of samples to display
* Shall have the ability to generate facial images based on microbial sample data using the MakeHuman API.
* Shall have the ability to export images of faces for later comparison.

## User Stories

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| --- | --- | --- |
| **As a** | **I want to** | **In order to** |
| User | Select sample microbial data files to use through a user interface | Focus attention on a given subset of samples |
| User | Generate facial images and models based on my chosen samples | Compare sample data |
| User | Export images of the models | Reference features of the data later |
| User | Manipulate the models | Better inspect different aspects of the models |
| User | Recognize which features of the model correspond to which features of the data | Recognize the significance of the similarities and differences |

## Stretch Goals

These goals may be achieved later on if time allows.

Our project

* May support additional sample data formats.
* May include an additional web UI.