*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

#686

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**Project: Microdata and Algorithms 1.0**

**Product Owner(s)**: DeEtta Kay Mills

**Mentor(s)**:

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**User Story Name: Time Data Point Threshold**

* Description: As a user, I would like to query an organism to determine if a subset of that organism’s genes is present in the dataset, so that I may search for organisms found in the human microbiome.

Acceptance Criteria

* Must accept valid organism name.
* Must have file for input.
* Must create output file.

**Use Case**

* Name:Finding organism name and display information of organism.
* Actor:User
* Preconditions:Must be valid Organism name in file.
* Description <Flow of events>:

1. User will be prompted by application to type input for Organism name.
2. The User types the name of organism.
3. The data is displayed based on the user input in output file.
4. Invalid or null input results in empty file.

**Unit Test**

* Test case ID: 7
* Description/Summary of Test: Must create output file for user input (Organism Name) and display all information in output file with the corresponding organism name.
* Pre-condition: Must be valid organism name in input file.
* Expected Results: Output file with user input and information displayed.
* Actual Result: Exactly as expected.
* Status (Fail/Pass):Pass

**Visual User Guide**

