*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

#670

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**Team Member(s): Michael A. Garrett, Christian Molto**

**Project: Microdata and Algorithms 1.0**

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

**Mentor(s)**:

**Instructor**: Masoud Sadjadi

**User Story Name: Intensity Depletion Discovery**

* Description: As a user, I would like to query for records that display a growth in intensity followed by a sudden decrease.

Acceptance Criteria

* Being able to display data in inputted manner.
* Being able to show increased trend in decreasing attributes.

**Use Case**

* Name: User inputting range
* Actor: User
* Preconditions:Data must accept query.
* Description <Flow of events>:

1. User must input range when prompted.

2. Data will display with range specified.

3. User can even specify a particular gene if they desire.

4. Data will display this.

**Use Case Diagram <**you can use draw.io**>**

**Sequence Diagram**

**Class Diagram**

**Unit Test**

* Test case ID:
* Description/Summary of Test:
* Pre-condition:
* Expected Results:
* Actual Result:
* Status (Fail/Pass):

**Integration Test**

**Visual User Guide** <like one or two screenshots of the feature. For the hardware project, a photo of device is required>