*Florida International University*

*School of Computing and Information Sciences*

Software Engineering Focus

Feature Document

User Story #**137**

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Mohsen Taheri

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**User Story:** Set up backend on AWS

* As a developer, I want to make sure that the backend is fully set up and working so that Neat can function on any remote device.

Acceptance Criteria

* Database installed and running
* Django installed and connected to the database
* Provide documentation for other developers

**Use Case** #**137 – Retrieve Information From The Backend Remotely**

**Actors**

Front-end developer

**Entry Conditions**

Front-end developer has access to a terminal or browser from any computer

**Flow of Events**

1. Use case starts when Front-end developer visits the ip address assigned to the backend
2. Backend retrieves and displays all available models in the database
3. Front-end developer clicks on the link of a model
4. Backend retrieves and displays all instances of the selected model
5. Front-end developer clicks on the link of an instance
6. Backend retrieves and displays information about the selected instance
7. Front-end developer leaves the website or closes the browser and use case ends.

**Use Case Diagram**



**Sequence Diagram**



**Class Diagram**



**Unit Test**

**Test Case 1 (Sunny Day)**

**Purpose**

* Ensure the backend is reachable from the given URL

**Precondition**

* Browser is open

**Input**

* Visit http://127.0.0.1:8000/api/

**Expected Result**

* List of all available models

**Actual Result**

* List of all available models

**Test Case 2 (Rainy Day)**

**Purpose**

* Ensure the backend is only reachable from the predefined URL

**Precondition**

* Browser is open

**Input**

* Visit http://127.0.0.1:8000/

**Expected Result**

* Http 404

**Actual Result**

* Http 404

**Visual User Guide**



