**Cloud Capstone Assignment: Practical Cloud Computing with AWS**

**Class:** CTS2960-2237-8982

**Professor:** Dr. Ernesto Lee

**Institution:** Miami Dade College

**Objective:**

In this assignment, you are required to acquaint yourselves with essential tools and platforms such as GitHub, Jira, and Confluence, and to create a Proof of Concept (POC) using any Machine Learning Algorithm. The emphasis is on practical application and collaborative project management.

**Instructions:**

**1. GitHub Account and Personal Brand Page:**

* **Task:**
  + Create a GitHub account if you don’t have one.
  + Build a personal brand page based on the guidelines provided [here](https://drlee.io/building-your-data-analytics-brand-a-step-by-step-guide-to-creating-a-personal-brand-page-using-cb59b875d3c8).
* **Deliverable:**
  + Submit the link to your GitHub personal brand page.

**2. Jira Account, Jira Board, and Confluence:**

* **Task:**
  + As a team, create a Jira account.
  + Set up a Jira Board and Confluence using the free account (do not add more than 10 members).
  + Track all activities for this project and the rest of the course on the Jira board.
  + Invite Dr. Ernesto Lee to your Jira Board using the email: [elee@mdc.edu](mailto:elee@mdc.edu)
* **Instructions:**
  + Follow the instructions provided [here](https://github.com/fenago/agilepmusingjira/blob/main/labs/Create_Your_Jira.pdf).
  + For additional tutorials and information, refer to [this link](https://github.com/fenago/agilepmusingjira/).
* **Deliverable:**
  + Submit the links to your Jira Board and Confluence page.

**3. Machine Learning Proof of Concept (POC):**

* **Task:**
  + Using your Jira Board, create a POC that employs any Machine Learning Algorithm.
  + Document the process concisely.
* **Instructions:**
  + The documentation can be done on a single page.
  + The POC should take no more than 2 hours collectively.
* **Deliverable:**
  + Submit the link to your documented POC.

**Submission:**

* Submit all the deliverable links via email to [elee@mdc.edu](mailto:elee@mdc.edu) by [Insert Due Date Here].
* Make sure to mention your team name and members in the submission email.

**Evaluation:**

* The assignment will be evaluated based on the completeness of the tasks, adherence to the guidelines, and the quality of the documentation and the POC.

**Notes:**

* This assignment is meant to simulate real-world scenarios where collaborative tools and project management are crucial. Please approach it with professionalism and due diligence.
* If you face any issues or have any queries, feel free to reach out to Dr. Lee at [elee@mdc.edu](mailto:elee@mdc.edu).

Best of luck!  
**Dr. Ernesto Lee**  
**Data Analytics Professor**  
**Miami Dade College**