**Selected Topics**

**Team ID: 1**

***Team Members***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **ID** | **Name** | **Level** | **Total grade(20)** |
| **1** | 20225120 | احمد محمد عمر محمد | **3** |  |
| **2** | 20225127 | إسماعيل اشرف إسماعيل حسن | **3** |  |
| **3** | 20225138 | حبيبة محمود مصطفي زكي | **3** |  |
| **4** | 20225146 | دميانه مجدي فايز تاوضروس | **3** |  |
| **5** | 20225155 | رولا عصام الدين حسن | **3** |  |

***Grading distribution***

|  |  |  |
| --- | --- | --- |
| **Data Ingestion & Filtering** | | |
|  | **Grade** |  |
| * **Use an appropriate API (e.g., Graph API)** * **Apply custom filtering logic to extract relevant posts (e.g., filter by keywords or hashtags)** | **4** |  |

|  |  |  |
| --- | --- | --- |
| **Data Pipelining** | | |
|  | **Grade** |  |
| * **Publish the filtered posts into a Kafka topic** | **3** |  |
| * **Connect Spark Streaming to consume the filtered data from the Kafka topic** * **Apply further transformation, enrichment, or aggregation in Spark (e.g., wordcount)** | **3** |  |

|  |  |  |
| --- | --- | --- |
| **Testing** | | |
|  | **Grade** |  |
| |  | | --- | | * **Display the final posts in the console in real-time, formatted for easy reading** | | **2** |  |
| * **Provide a detailed presentation on the project's implementation and outcomes** | **3** |  |

|  |  |  |
| --- | --- | --- |
|  | **Grade** | **Actual grade** |
| ***Questions*** | ***5*** |  |

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