**Department of Computing**

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**SE-312: Software Construction**

**Class:** BESE-7B

**Lab 03: Test-First Programming**

**Date: February 11th, 2019**

**Instructor:** Dr. Seema Jehan

**Lab 03: Tweet Tweet**

**Lab Tasks**

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| **Solution** |
| **Work Division**   * Bia Chaudhry initialized repository and sent links. * Then we understood the code and classes together * Bia and Ramlah implemented the first problem * Naema and Bia implemented the second problem * Ramlah wrote the testing strategy in comments and compiled this document   **Task1:** Extracting data from tweets We extracted Instant type variable name timestamp from a list of Tweet objects. Traversing the list we found the earliest timestamp and put it in start variable and last timestamp was placed in end variable.  Then we analyzed the contents of the tweets of different users, one at a time and checked for mentions of other users  **Task2: (Bonus Points)** Filtering lists of Tweets We filtered a certain list of tweets based on user who tweeted them, timestamp of tweets and text inside them. Implemented testing strategies (explained in comments at beginning of test files) and wrote functionalities. |