Team Mocha

CECS 429 Team Project Time-line Assignment

Part 1 – milestones

Milestone 1 – Monday Oct 3

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| **Functionality** | **Developer** |
| Reading and basic Tokenization of files within a user-specified directory | David |
| Process each token by lowercasing and removing punctuations | John |
| Create and populate a hash table type dictionary | John |
| Complete the basic inverted document index | Zhen |
| Establish a version control system for the team to work with | Chris |

Milestone 2 – Wednesday Oct 5

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| **Functionality** | **Developer** |
| Basic Swing GUI based inverted index statistics window | Chris |
| Generate term dictionary with links to document Id’s | David |
| Generate output of the term dictionary for each document | Chris |
| Swing GUI based document folder selection window | David |
| Write and integrate the Porter Stemmer into the token processing system | Zen and John |
| Support for basic and & or'ed boolean user query comprehension | Zhen |

Milestone 3 – Wednesday Oct 12

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| **Functionality** | **Developer** |
| Basic Swing GUI document search and results window | Chris |
| Boolean user query to DNF form conversion | David |
| Swing GUI DNF form query viewer | John |
| Support for user query DNF form evaluation (return matching documents) | John |
| Write test cases and verify the operation of the DNF form conversion | David |
| Write test cases and verify the Porter Stemmer | Zhen |
| Write test cases and verify the Tokenization process | Chris |

Milestone 4 – Monday Oct 17

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| **Functionality** | **Developer** |
| Finalize Swing GUI document folder selection window, inverted index statistics window, search entry and results window | Team |
| Finalize boolean query support | Team |
| Finalize test case verification | Team |