PROJECT REPORT

Twitter Hashtags Classification Using Knuth Morris Pratt Algorithm

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PROJECT REPORT
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ABSTRACT

Twitter has become one of the most popular social media. It content many informations of user posted. People are often wasting time to find specific information from Twitter posts. By this situation, people are often spent more time to look informations they want.

This project is talking about how Knuth Morris Pratt (KMP) String Matching Algorithm is implemented in Twitter Hashtags searching using Twitter API. This project will using four steps of research methodology. First, analysis of initialization will be conducted as for preparing data structure and Twitter API. Second, the design will be designed based on initialization. Third, implementation will be conducted as for how the program will run. Fourth, testing the program with Knuth Morris Pratt algorithm implemented.

This program will request posts using Twitter API to connect data from Twitter database. Then it will processing the data with Knuth Morris Pratt algorithm, to check wether it contain the same word with hashtag string pattern or not. User will input the hashtag string pattern from the configuration file. As the result, this program will show user their wanted informations or posts.

Keywords : Knuth Morris Pratt, Hashtag, API.
PREFACE

This project describes about hashtags searching on Twitter as social media. This project organized by six chapters. The First chapter contain the background and scope of this project. Chapter two contain literature about data structure, array list and algorithm of the project.

The chapter Three contain analysis of the situation problem that will be used to make design project. The result will be used in the implementation section in chapter four.

Chapter five will contain the implementation of this project. Each process will be explained and will be tested in testing section. On the last project, there will be conclusion and further research.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPROVAL AND RATIFICATION PAGE</td>
<td>ii</td>
</tr>
<tr>
<td>STATEMENT OF ORIGINALITY</td>
<td>iii</td>
</tr>
<tr>
<td>ABSTRACT</td>
<td>iv</td>
</tr>
<tr>
<td>PREFACE</td>
<td>v</td>
</tr>
<tr>
<td>CHAPTER I INTRODUCTION</td>
<td>1</td>
</tr>
<tr>
<td>1.1 Background</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Scope</td>
<td>1</td>
</tr>
<tr>
<td>1.3 Objective</td>
<td>2</td>
</tr>
<tr>
<td>CHAPTER II LITERATURE STUDY</td>
<td>3</td>
</tr>
<tr>
<td>CHAPTER III PLANNING</td>
<td>5</td>
</tr>
<tr>
<td>3.1 Research Methodology</td>
<td>5</td>
</tr>
<tr>
<td>CHAPTER IV ANALYSIS AND DESIGN</td>
<td>7</td>
</tr>
<tr>
<td>4.1 Analysis</td>
<td>7</td>
</tr>
<tr>
<td>4.1.1 Initialization</td>
<td>7</td>
</tr>
<tr>
<td>4.1.2 Store Data Structure</td>
<td>7</td>
</tr>
<tr>
<td>4.1.3 Process</td>
<td>7</td>
</tr>
<tr>
<td>4.2 Design</td>
<td>8</td>
</tr>
<tr>
<td>CHAPTER V IMPLEMENTATION AND TESTING</td>
<td>10</td>
</tr>
<tr>
<td>5.1 Implementation</td>
<td>11</td>
</tr>
<tr>
<td>5.1.1 Knuth Morris Pratt algorithm</td>
<td>15</td>
</tr>
<tr>
<td>5.2 Testing</td>
<td>18</td>
</tr>
</tbody>
</table>
CHAPTER VI CONCLUSION................................................................. 21
6.1 Conclusion............................................................................... 21
6.2 Further Research.................................................................... 21

REFERENCES

TABLE OF FIGURES
Figure 4.1 Class Diagram................................................................. 8
Figure 5.2 Twitter apps........................................................................ 10
Figure 5.3 Consumer key................................................................. 11
Figure 5.4 Access token................................................................. 11
Figure 5.5 Permission.php.............................................................. 12
Figure 5.6 Array list index............................................................... 13
Figure 5.7 Sentence array............................................................... 14
Figure 5.8 Pattern string in array..................................................... 15
Figure 5.9 Third word string in array.............................................. 16
Figure 5.10 Pattern pointer aj......................................................... 16
Figure 5.11 Third word pointer bj.................................................... 16
Figure 5.12 Pointer bi increasing..................................................... 17
Figure 5.13 Config.txt................................................................. 18
Figure 5.14 Result 1................................................................. 19
Figure 5.15 Result 2................................................................. 20