ABSTRACT

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

ACKNOWLEDGEMENT

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Chapter 1

INTRODUCTION

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

1.1 Literature Review / Survey

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

1.2 Motivation

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

1.3   Problem Statement

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

Figure 1.1: Sample Image.

Chapter 2

REQUIREMENT ANALYSIS

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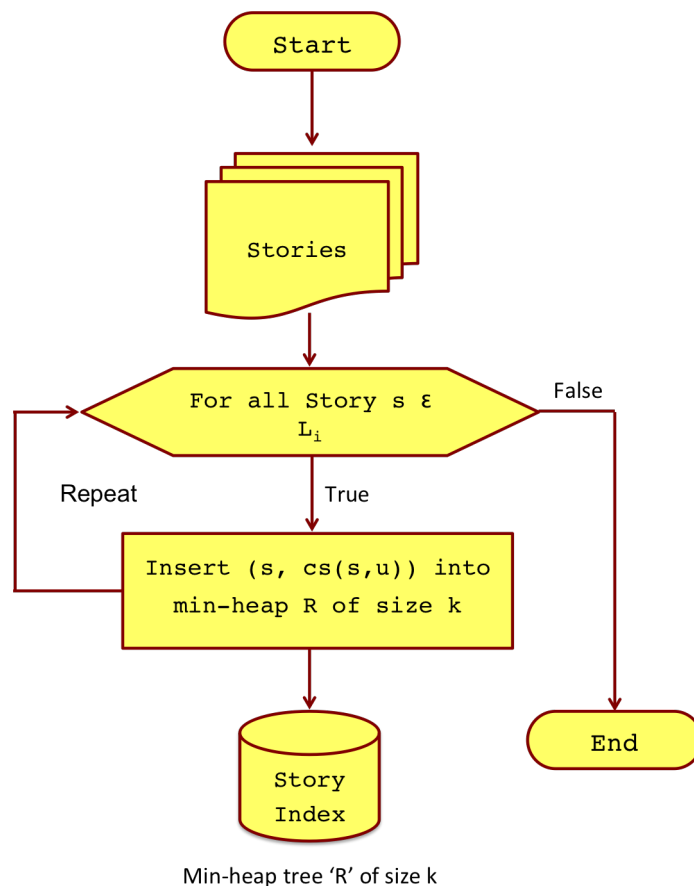
2.1   System Model

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

2.2   Functional Requirements

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

2.3 Non Functional Requirements

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2.4 Database Requirements (If Any, Ex. ER Model)

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Chapter 3

SYSTEM DESIGN

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3.1   Architecture Design

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3.2   Alternative Architecture If any

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3.3   Data Design (Ex. Database tables or data structures used)

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3.4   User Interface Design

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Content	Details
Corpus	The real world data : (1) #tag are fetched from Twitter. (2) Stories are fetched from Yahoo!News
Input	(1)**TAAT** : #tag. in terms of trends. (2) **DAAT** : Twitter Profile name (e.g., @Yahoo!News or @Yahoo!INNews)
Output	(1)**TAAT** : Left column consists of trends in terms of #tags. Right column with the stories and its respective tweets from Twitter. (2)**DAAT** : Displays the list of Stories and Tweets for the specified Twitter Profile.

Chapter 4

IMPLEMENTATION

This chapter gives a brief description about implementation details of the system by describing each component with its code skeleton in terms of algorithm.

4.1 <Module 1>

Algorithm 1 shows the implementation details for generating tweets/trends index in terms of R min-heap of size k.

Algorithm 1 Generating Tweets/Trends Index

Require: Twitter trends #tag
Ensure: R min-heap of size k $(R_{T1}, R_{T2}, R_{T3}, ..., R_{Tn})$ for all tweets.
  1: Let $L_1, L_2, L_3, ..., L|t|$ be the posting list of tweets in time t.
  2: **for** every $\#tagT \in \bigcup L_i$ **do**
  3:     Attempt inserting (#tag,CS(s,t)) into R_T
  4: **end for**
  5: **return** $(R_{T1}, R_{T2}, R_{T3}, ..., R_{Tn})$

4.2 <Module 2>

Algorithm 2 shows the implementation details for generating story index in terms of R min-heap of size k.

Algorithm 2 Generating Story Index

Require: Stories represented as s.
Ensure: R min-heap of size k $(R_{s1}, R_{s2}, R_{s3}, ..., R_{sn})$ for all stories.
  1: Let $L_1, L_2, L_3, ..., L|t|$ be the posting list of tweets in time t.
  2: **for** all Stories s $\in \bigcup L_i$ **do**
  3:     Attempt inserting (s,CS(s,u)) into R_s
  4: **end for**
  5: **return** $(R_{s1}, R_{s2}, R_{s3}, ..., R_{sn})$

Appendix A

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