

Project Plan

Background

Living in the world of big data, data collection seems never be a problem for people anymore. Whatever we search, there are always plenty of data on the internet. However, the existence of astonishing amount of data creates additional difficulties on pinpointing the information we desire among the sea of data. Aiming to settle this problem, our group decides to develop a program which takes articles in plain text as input, and makes accurate predictions about the classification of this article. By attaching classification information to articles, people will be able to locate their desired articles with less trouble.

Project Description

Firstly, as a student majored in Computer Science, our program focuses on classification of technology news. Moreover, to improve the correctness of clustering result, we will implement various data mining techniques during development. Not only can user classify article, they can also establish their own clustering dictionary and categories with the help of our program.

Goals and Objectives

Nowadays, huge amount of information come out everyday. People are busy and may not be able to get every piece of information, so we need a program that can make it easy for us to locate our desired posts, and can provide us with concise summarisations for news posts. This may improve the efficiency of getting information in this information world.

- To make it easy for users to locate their desired post
- To provide users concise summarisations for news posts

Scope

Scope Definition

The project will introduce the following technology

- Key words dictionary generation
- Automatic sorting
- Related article recommendation

This may include the following interfaces

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Project Budget

Risk Management

Stakeholders

Stakeholder Register				
Name	Project Role	Internal/External	Position	Contact Information
Mingyang WA	Project Manager	Internal	Manager	mingywang3-c@my.cityu.edu.hk
Jie PU	Assistant Project Manager	Internal	Manager	jiepu2-c@my.cityu.edu.hk
Zhou FANG	Configuration Manager	Internal	Manager	zfang6-c@my.cityu.edu.hk
Xikang FENG	Team Member	Internal	Developer	xikanfeng2@gmail.com
Yiji WANG	Team Member	Internal	Developer	
Renjie ZHU	Team Member	Internal	Developer	
Dr. W.K.Chan F	Project Supervisor	External	President	wkchan@cityu.edu.hk

	Project Supervisor	External	Tutor	
	Project Supervisor	External	Tutor	
	Project Supervisor	External	Tutor	

Methodology

Software Development Methodology

In this project, we chose test-driven development as our development methodology. It is the method that divide the project into small test cases, which drive the software to pass all the test cases. This method can lead to simple designs in this project.

Development tools

We use several development tools in this project. The main development software is Eclipse, because we use Java as the language of our software. Additionally, we chose Github for easier configuration management, which will control the version of the software, and reduce the possibility of chaos.

Milestones

Project charter signed by Sep. 12th, 2014
Project plan approved by Sep. 19th, 2014
Program core development by Oct. 11th, 2014
Testing completed by Nov. 1st, 2014
Project completed by Nov. 22nd, 2014

Work Breakdown Structure