



LyricsByU

Group 08

April 4, 2017

About Us

Team Name : Lyricist

Team Member:

Tim Zhang

Olivia Tinios

Tongfei Wang

Bowen Yuan

Evan Ansell

Introduction

- Objective and Motivation
- Dataset
- Scope

Methodology

➤ SCRUM

CS/SE 2XB3: Final Project

SPRINT PLANNING MEETING

Project Name:	<i>LyricsByU</i>	Group Number:	08
Date of Meeting: (DD/MM/YYYY)	03/17/2017	Time:	8:30 – 10:20
Sprint:	March 17 th – March 21 st	Location:	BSB 249

1. Sprint Objectives

2. Update the SRS (domain, functional and non functional requirements, maintenance requirements).
3. Make project plan.
4. Choose graphing algorithm.
5. Olivia Tinios – implement sorting algorithm.
6. Evan Ansell – handle reading from dataset, start implementing dictionary to store words and Song objects.
7. Bowen Yuan – implement graphing algorithm, start implementing interface.
8. Tongfei Wang, Tim Zhang – finish SongADT.

2. Attendees

Name (last name alphabetical order)	Student Number	Role in the Project
Ansell, Evan	1415992	Tester, File processor
Tinios, Olivia	400034007	Sort algorithm researcher
Wang, Tongfei	001437618	Data architect
Yuan, Bowen	400005913	Graph algorithm researcher, tester.
Zhang, Tim	400006216	Search algorithm researcher, log admin, project leader

Requirement Specification

- Functional and Non-functional
- Major Input/Output

Requirement Specification

➤ Algorithmic challenges

- Data Structure \Rightarrow Dictionary
- Sort Algorithm \Rightarrow Merge Sort
- Search Algorithm \Rightarrow Binary Search
- Graph Algorithm \Rightarrow Non-directed graph

Dictionary(ArrayList)

Word	Index(ArrayList)
apple	{5-2,29-5,135-42}
bug	{46-35,124-53.....}
love	{5-2,43-53,100-34.....}
.....

Requirement Specification

➤ Algorithmic challenges

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Merge Sort Example

Song index	Genre
1 - 500	Pop
500 - 1000	Jazz
1000 - 1500	Country
.....

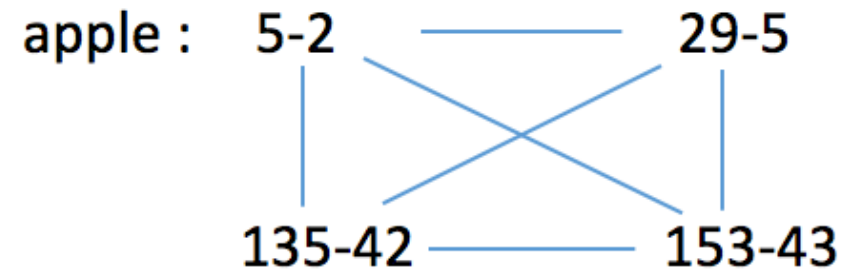
Requirement Specification

➤ Algorithmic challenges

- Data Structure \Rightarrow Dictionary
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Graph Algorithm

Non-directed graph



Requirement Specification

➤ Verification and Validation method



Demonstration