Deliverable #3 Template

SE 3A04: Software Design II – Large System Design

1 Introduction

This section should provide an brief overview of the entire document.

1.1 Purpose

a) Delineate the purpose of the document

b) Specify the intended audience for the document

1.2 System Description

a) Give a brief description of the system. This could be a paragraph or two to give some context to this document.

1.3 Overview

a) Describe what the rest of the document contains

b) Explain how the document is organised

2 State Charts for Controller Classes

Submit
[Invalid Input]

Submit
[Valid Input] / Back

Tempo Input Activity
in Focus

Input Tempo Request

Search
[Valid Input]

Submit
[Invalid Input]

Submit
[Valid Input] / Back

Lyric Input Activity in
Focus

Input Activity in Focus

Input Lyrics Request

Submit
[Invalid Input]

Submit
[Valid Input] / Back

Artist Input Activity in
Focus

Cancel

Search
[Valid Input]

Input Artist Request

Back

Request Previous
Searches

Displaying Previous
Searches

Back

Displaying Searching
Graphic

Error

Search Error Activity
in Focus

Search

Search
Results
Returned

Back

Back

Request More
Song Details

Search Result Activity
in Focus

Displaying Song
Details

Back

Request
Hometown
Visual

Back

Close
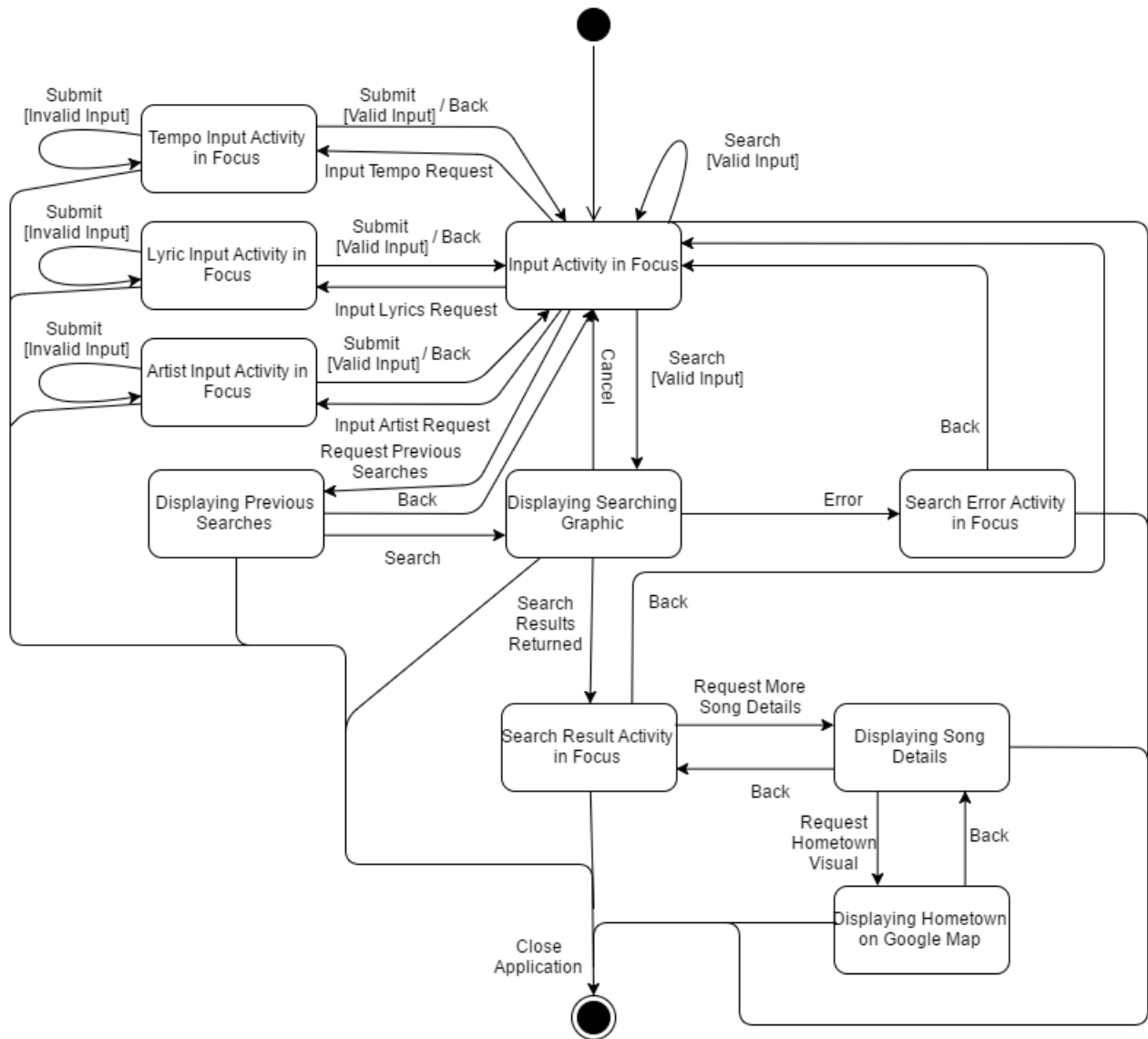Application

Displaying Hometown
on Google Map

Figure 1: Statechart Diagram for UIController

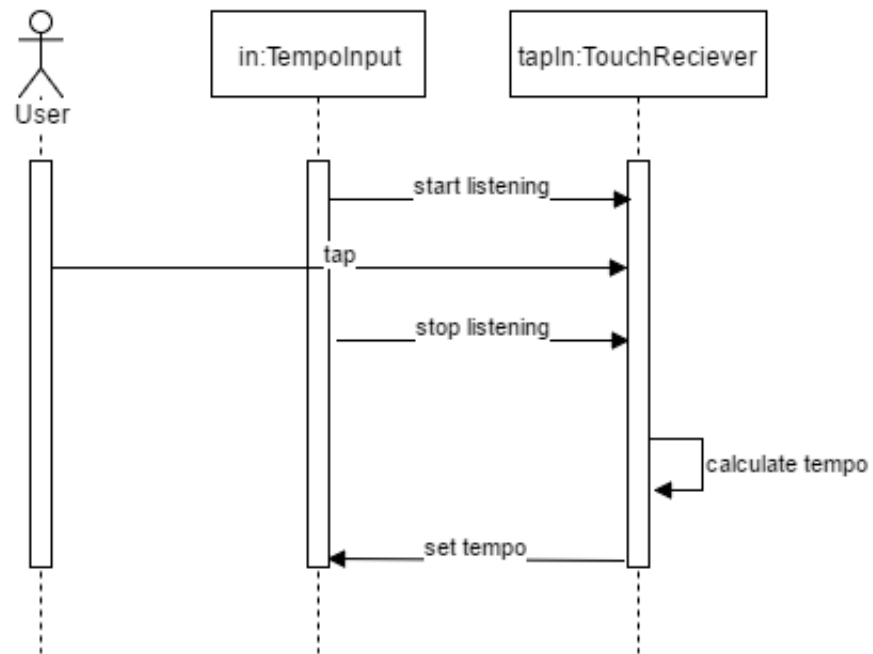2

3 Sequence Diagrams

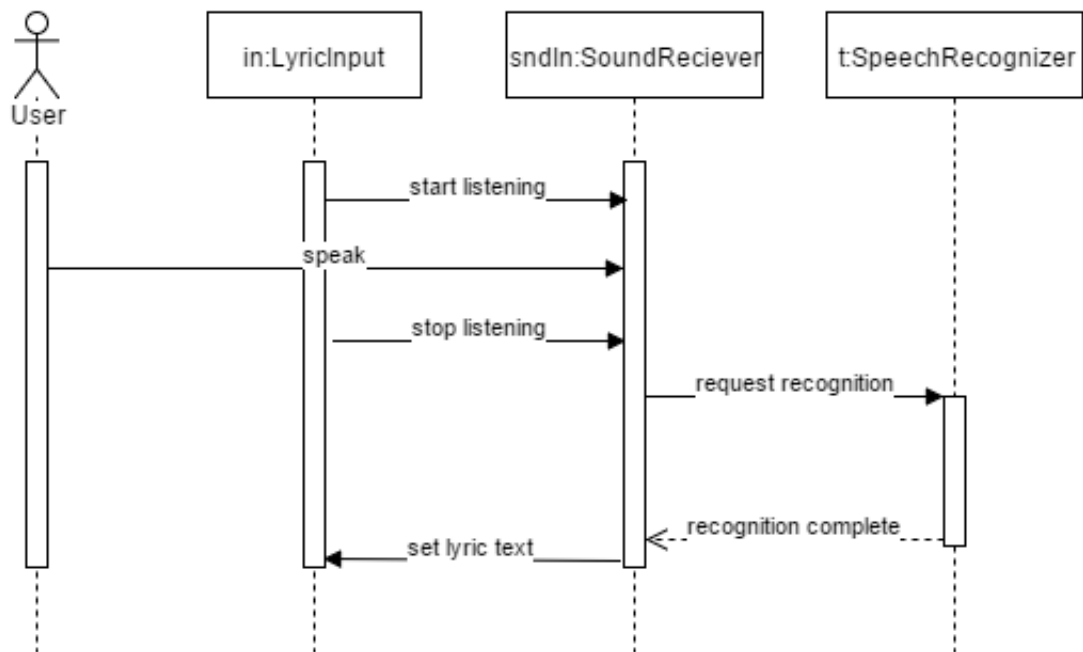Figure 2: Sequence Diagram for the Tempo Input

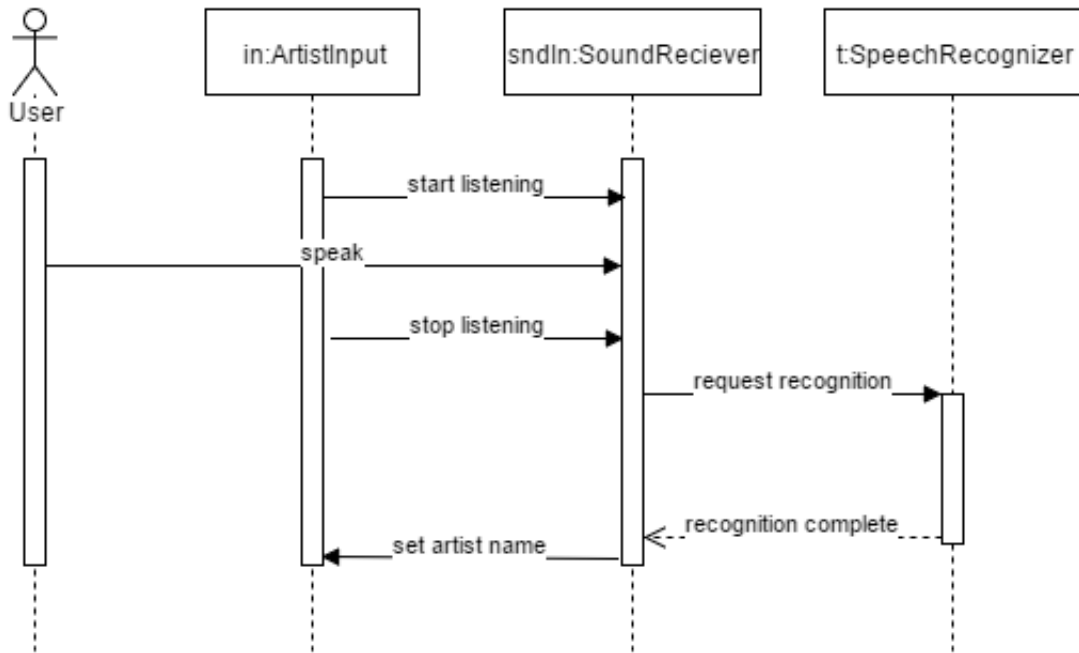Figure 3: Sequence Diagram for the Lyric Input

4

Figure 4: Sequence Diagram for the Artist Input

4 Detailed Class Diagram

This section should provide a detailed class diagram for your application.

A   Division of Labour

Jemar Jones
Rendavid Dimen
Samraj Nalwa
Samuel Scargall
Spencer Park   Created the statechart diagram in figure 1 and sequence diagrams in figures 2, 3, and 4.
Stephan Arulthasan

Agreement with the Division of Labour outline above:

Jemar Jones	
Rendavid Dimen	
Samraj Nalwa	
Samuel Scargall	
Spencer Park	
Stephan Arulthasan	

IMPORTANT NOTES

- You do <u>NOT</u> need to provide a text explanation of each diagram; the diagram should speak for itself

- Please document any non-standard notations that you may have used

  - *Rule of Thumb*: if you feel there is any doubt surrounding the meaning of your notations, document them

- Some diagrams may be difficult to fit into one page

  - It is OK if the text is small but please ensure that it is readable when printed
  - If you need to break a diagram onto multiple pages, please adopt a system of doing so and throughly explain how it can be reconnected from one page to the next; if you are unsure about this, please ask me

- Please submit the latest version of Deliverable 1 and Deliverable 2 with Deliverable 3

  - They do not have to be a freshly printed versions; the latest marked versions are OK

- If you do <u>NOT</u> have a Division of Labour sheet, your deliverable will <u>NOT</u> be marked