

School Dance Ticket Software

- Students pay for tickets (+ guest)
- Early bird price
- ? Cross reference against student number list

Completion Check

? Methods (add() recursive method)

? Loops (insert() while loop,)

? Decision structures

1. allow student buy early bird tickets for cheap price;
2. allow student buy more than one tickets for guests;
3. allow student buy door price tickets;
4. allow student refund his/her tickets;
5. allow display all students information on a table in the order of student id;
6. if student does NOT exist while refund, the message will be displayed on status bar at the bottom.
7. main window shall display part start time, duration, location and sponsor information
8. it is better to have help document for user.
9. [Basic operation check: add, save, load, insert, remove ...](#)
10. ? ? What is the difference between add() and insert() method in BinaryTree?

✓ UML - class, attributes, method... ? [See below](#)

? Original ideas and design complexity

✓ Data Structure - applicable, Generic [See Node.java and BinaryTree.java]

✓ Functionality - Ticket(early bird, door price, refund), Find(one.update, all), Help

✓ Use of Tree data structure - BinaryTree, Node

✓ Naming conventions (Camel style, uppercase for class, lower case for fields and methods)

? Comments/Docs

✓ ? Code readability (fields and methods naming, function single responsibility)

✓ User Interface (MainFram, MainPanel, DetailDialog, RefundDialog, ...)

? UML Layout/presentation

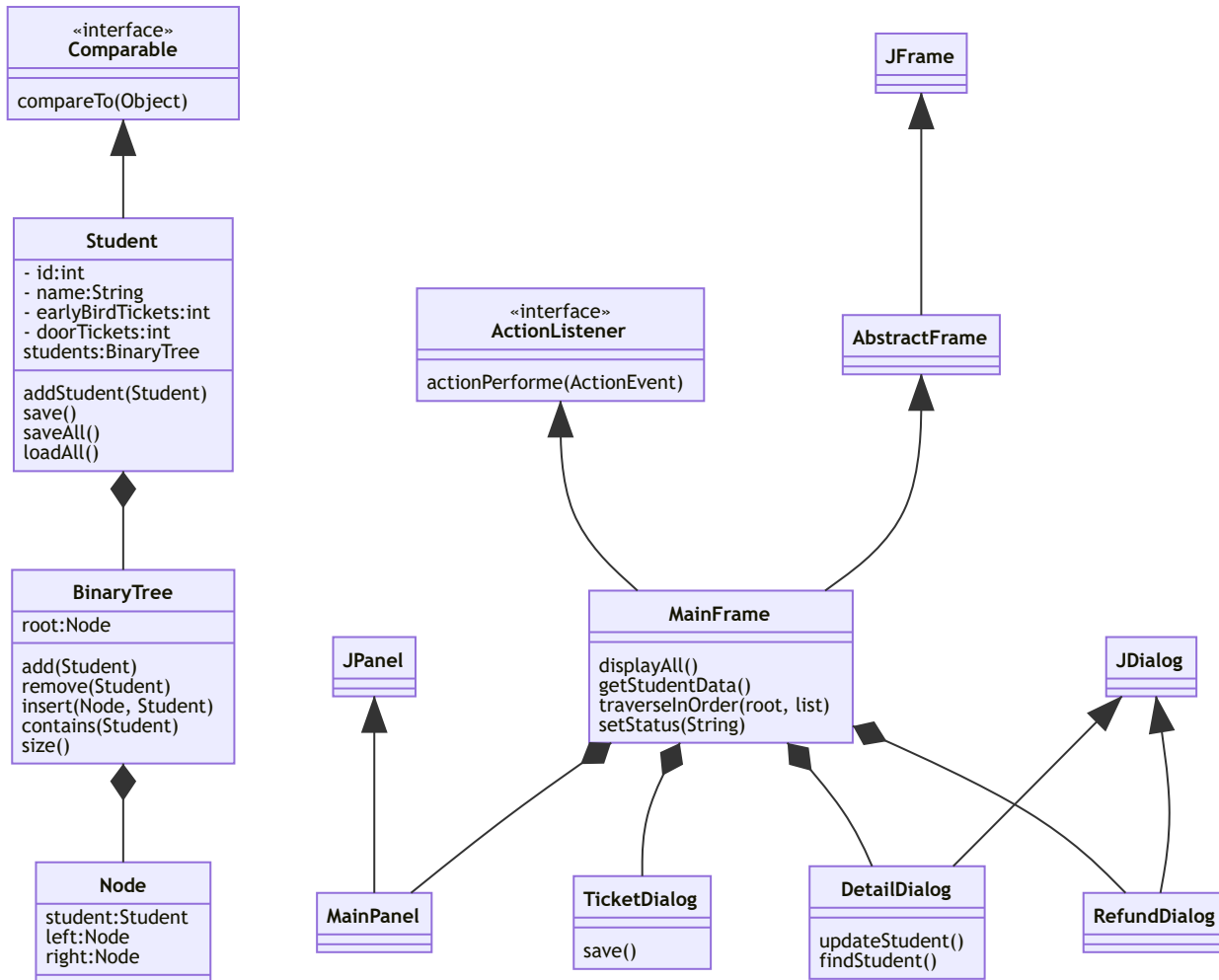
✓ File I/O (see Student.save(), Student.saveAll(), Student.loadAll())

✓ ? Data Structure (ArrayList, LinkedList, Queue)

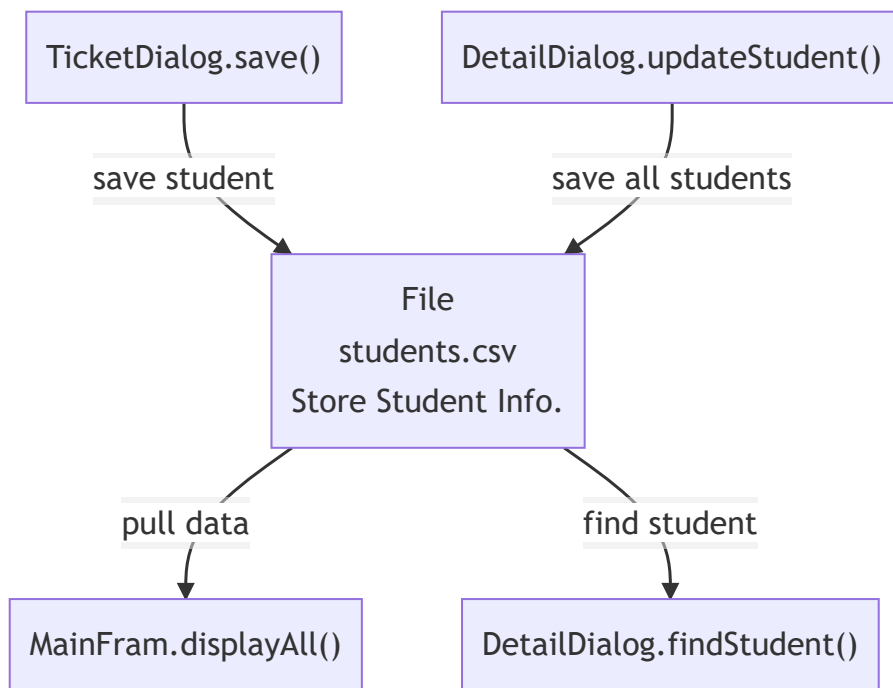
✓ ? Basic operations (implemented size, contains, add, insert, find, but only used add, find)

- ✓ Advanced operation - remove() (BinaryTree.remove())
- ✓ Use of a Tree data structure (BinaryTree.java)

Class Diagram

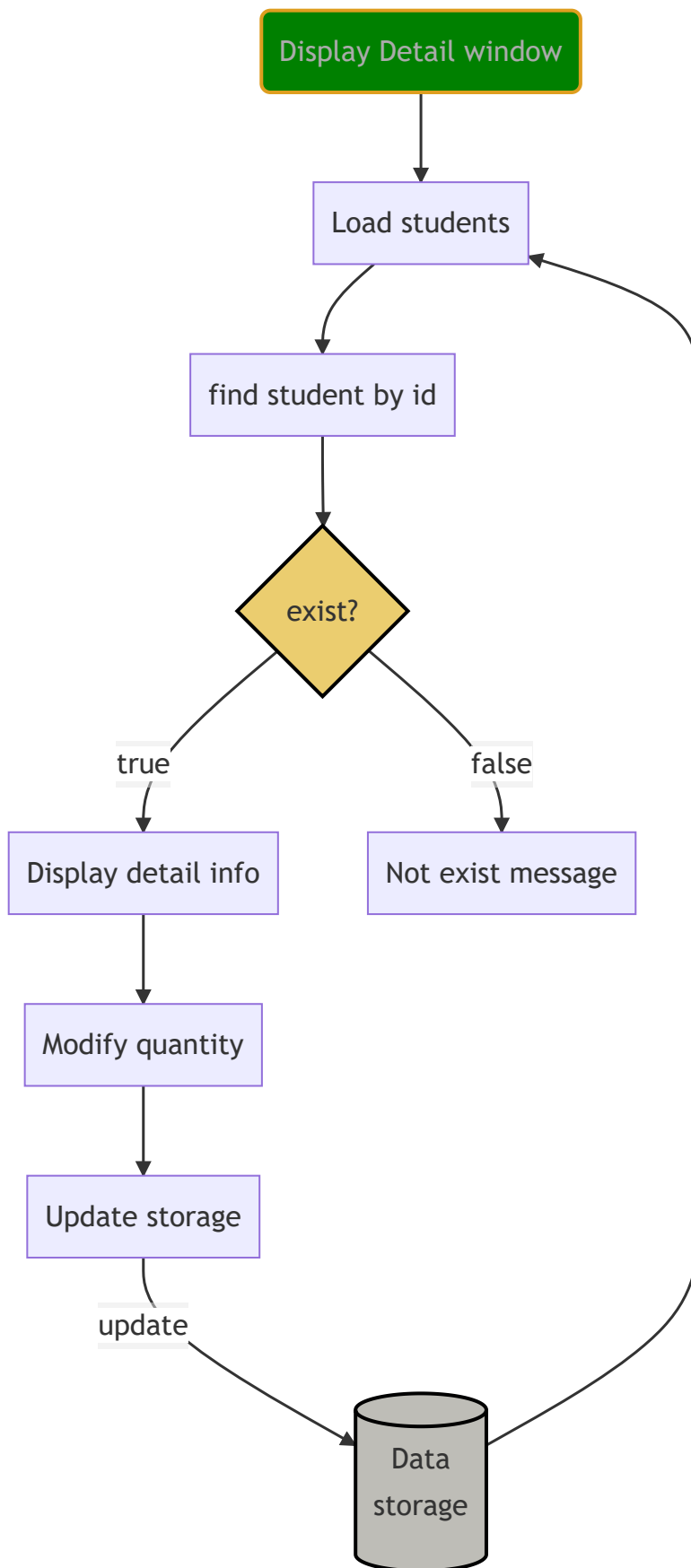


Data store file

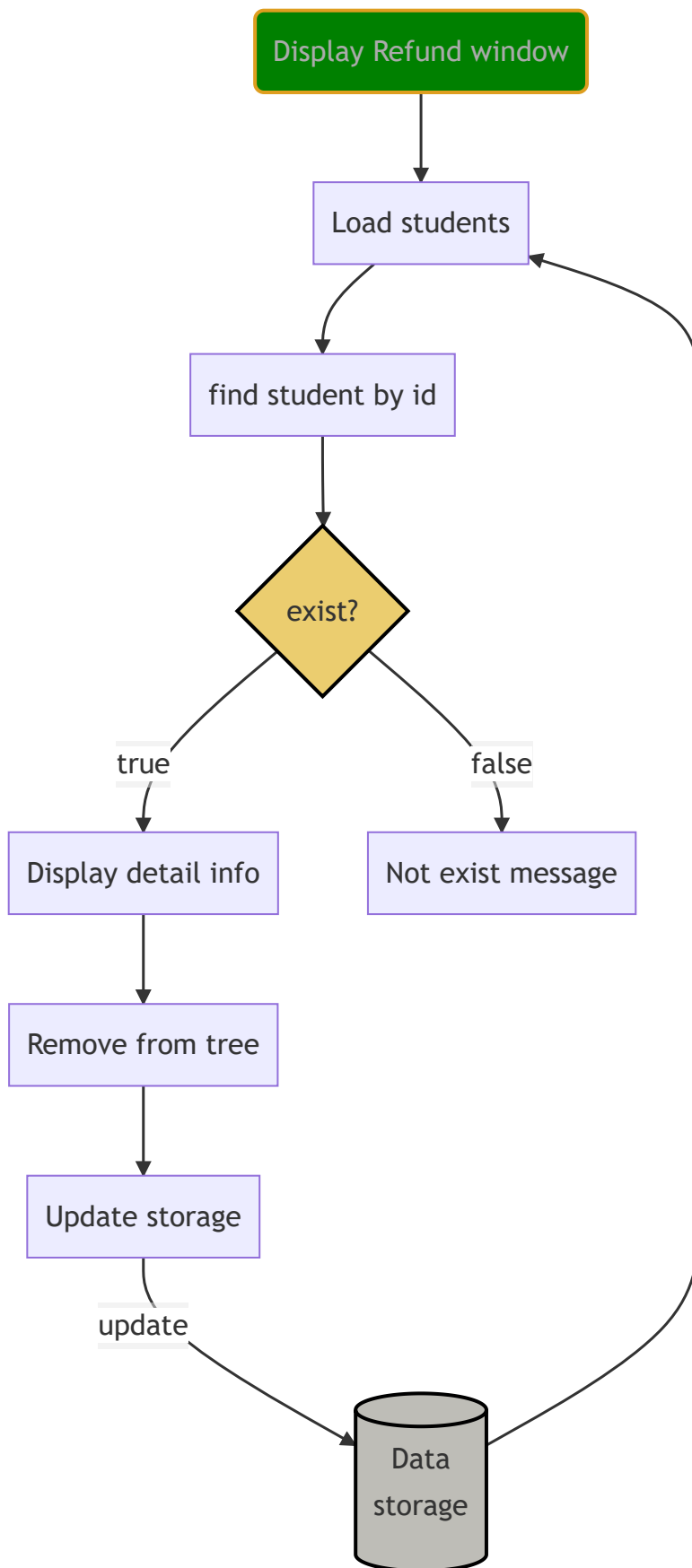


Flowchart

- Detail Operation Logic



- Refund Operation Logic



Open DOS command window, cd to the folder below, type in javadoc command

C:\Users\12818\workspace\Rodney\java\doc\danceticket>javadoc -sourcepath ../../john/src -subpackages com.john.dar

workspace > Rodney > java > doc > danceticket >				
<input type="checkbox"/>	Name	Date modified	Type	Size
	com	12/4/2021 8:58 PM	File folder	
	resources	12/4/2021 8:58 PM	File folder	
	script-dir	12/4/2021 8:58 PM	File folder	
	allclasses-index.html	12/4/2021 8:58 PM	Microsoft Edge H...	7 KB
	allpackages-index.html	12/4/2021 8:58 PM	Microsoft Edge H...	3 KB
	constant-values.html	12/4/2021 8:58 PM	Microsoft Edge H...	4 KB
	element-list	12/4/2021 8:58 PM	File	1 KB
	help-doc.html	12/4/2021 8:58 PM	Microsoft Edge H...	7 KB
	index.html	12/4/2021 8:58 PM	Microsoft Edge H...	2 KB
	index-all.html	12/4/2021 8:58 PM	Microsoft Edge H...	23 KB
	jquery-ui.overrides.css	12/4/2021 8:58 PM	Cascading Style S...	1 KB
	member-search-index.js	12/4/2021 8:58 PM	JavaScript Source ...	5 KB
	module-search-index.js	12/4/2021 8:58 PM	JavaScript Source ...	1 KB
	overview-tree.html	12/4/2021 8:58 PM	Microsoft Edge H...	12 KB
	package-search-index.js	12/4/2021 8:58 PM	JavaScript Source ...	1 KB
	script.js	12/4/2021 8:58 PM	JavaScript Source ...	5 KB
	search.js	12/4/2021 8:58 PM	JavaScript Source ...	13 KB
	serialized-form.html	12/4/2021 8:58 PM	Microsoft Edge H...	13 KB
	stylesheet.css	12/4/2021 8:58 PM	Cascading Style S...	19 KB
	tag-search-index.js	12/4/2021 8:58 PM	JavaScript Source ...	1 KB
	type-search-index.js	12/4/2021 8:58 PM	JavaScript Source ...	1 KB

Double click index.html file name

Package com.john.danceticket

package com.john.danceticket

Class Summary

Class	Description
AbstractFrame	
BinaryTree	
DetailDialog	
MainFrame	
MainPanel	
Node<T>	
RefundDialog	
Student	
Test	
TicketDialog	

Enum Class Summary

Enum Class	Description
MainFrame.TicketType	