Erick Bravo
July 26th 2020
CS03B Final Project

Jframe

Main Page

Reserve

| click | Jbutton

Schedule

| Click | Jbutton

Exit
| Click | Jbutton
+ escape

Jframe

Schedule

A1 Lecture 6:00 90min
Printer, Projector, Standing

A3 Club 14:00 30min
Projector, Comfey Seats

etc . . . .

(Exit)

JButton

Jframe

Reserve

Even T Lecture   JCombobox
        Seminar   Drop down list
        Guest Speaker
        Club

Time   6:00-22:00   JcomboBox
                       Dropdown list

Length 30min   30min JComboBox
        1hr   60min Dropdown list
        1hr 30min 90min

Amenities   JCheckBox 1,2,3
☑ Printer ☑ Projector Three Suplies
        ☑ Supplies

Seats ⊙ Comfey   JradioButton 1,2
       ⊙ Standing   for Seats

(Save)   (exit)   JButton 1,2

Sample Gui

will consist of three

windows

Event C

Responsability	Collaborators
Displays Starttime as variable pass thru	getStartTime
Displays class length as variable? checks to see if occupied	getLength
Checks priority from batch file/user input	getPriority

Classroom D

responsability	collaborators
Pulls in as an array list data from batch file. Can be written to from user input	Classroom
looks for room number from batch file or from input	getRoomNumber
looks for amenities from batch or user input	getAmenities
looks for size from batch file or user input	getSize

College building E

responsabilities	collaborators
inputs batch file into an array list to be used by Program	collegebuilding

Revised CRC cards 1.1 v

Erick Bravo

7/23/2020

CS003B

Lecture F
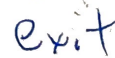
Responsability	Collaborators
Shows priority as 1 to event	get priority

Club meeting G

responsability	Collaborators
Shows priority as 4 to event	get priority

Seminar H

resposability	Collaborators
Shows priority as 2 to event	get priority

Guest Speaker I

responsability	collaborators
Shows priority as 3 to event	get Priority

Schedule J

responsability	collaborators
~~Schedule Event~~ takes an event checks priority: if user input or batch file	Schedule Event
need object to import variables from batch file write to new file	getSchedule
Checks event time to loaded array list. Canover write time?	getEvent

Request B

Responsability	Collaborators
user dropdown for event from Gui	getEvent Btn
user dropdown for time for gui	get Time BTn
User dropdown for length of event	getLength Btn
User dropdown for size of room, maybe make it slider instead?	get Size Btn
User radio button to check Seats	get Seats Btn
user check Boxes to allow amenities	get Amenities Btn
Draw Gui components	init Components
	Guibuilder

Main A

Responsability	Collaborators
Draw three buttons Room, Schedule Exit	Room Btn
	Schedule BTn
	exit Btn
Draws Gui Components	init components
	GuiBuilder

Class
  └ Lecture
  └ Seminar
  └ Guest Speaker

A
building Schedule

Public class college b

Public class
  College Room extends college building ""

B
Schedule Item   Schedulable
        └ Classroom

C
D
  └ Amenities
    Seats

Class
  └ Seminar

Schedulable
  └ class
      └ Seminar

Super   Sub   Sub   Sub
Class   Class   class   class

Seminar

Guestspeaker   ⊞ Super Public JD
                         Class
Club
                building Schedule   JD
                  └ Schedule Item (Lecture, club, Seminar, Guest)
                           └ JD
main   Schedulable (Y/n)
  ↓
  Request   Class? Classroom
                       melled   JD   JD
  └ 7   └ Amenities (Proj, Printer)
                                  JD Seats (Y/n)

  └ 7 Display   writeS   JD three   1 action — 7 ⊞
                         JD buttons 2 action —) ⚹
                         JD   3 action
Batch file   from
                                               ↓
                                              exit

Main Crc
Data needed?   Data required?

Room Requester
Data needed   Data Required
Text file B   text file A
                   reads from A.
                   to ~~overright~~
                        overwrite B
                   Displays a Schedule
                              in

College building Super
Class room Sub class

Room Requester crc
Data needed   Data Required
Text file A   ~~Schedu~~
               Scanner so
               Public importBatch( )
               [File read
               Scanner scan
               Print copy for Schedule]

Gui functions   Public void
                Only Gui Stuff/Gui builder

User driven
event type   Drop down, Action Preformed
              [class, club,
                Seminar
                etc]

User driven
Amenities   Check box, Action preformed
Time
Length
Seats

A main

Classroom is highly coupled

B request

F Lecture

D

C event

G Club meeting

O Classroom

H Seminar

2) J Schedule

I Guest Speaker

inheritance
F, G, H, I extend C

E college building

Aggregation
0,0 → J
0 → E