

Defect Log

Team 21

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Coordinator: *Adam Johnston*

Design Inspection

Product	PopUp Handler
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	Handler would remind user multiple times in a minute	1	Add a 'lastRemind' integer to store the last 'minute-hand' value of a reminder and thereby prevent Pop-Up spam
2	Handler would notify user of upcoming and recently ended events multiple times in a minute	2	Update flags 'allotedTimeUp', 'completed', and set 'notificationOffset' to -1 in the database

Product	PopUp Controller
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	FX staging for pop-ups would conflict with main GUI staging	2	Give pop-ups basic JFrame to eliminate GUI conflicts

Product	Database + Controller connection
Date	10/19
Author(s)	Joseph Marshall

Defect #	Description	Severity	How Corrected
1	Database wasn't storing enough info needed for events	1	had to refresh the entire database to hold updated Event object, but we can now add more fields without refreshing the database
2	Database stores raw text values in JSON form, but our java program uses Objects	1	Needed to make helper functions to translate needed info from raw text to Objects used by program and vice versa
3	Database stored all events together	3	Made database query by username so you can have separate accounts

Product	Controller + GUI manager connection
Date	10/19
Author(s)	Joseph Marshall

Defect #	Description	Severity	How Corrected
1	database controller doesn't cache results and so access start to stall program	3	made manager get events in bulk and cache them so it only has to stall once
2	Controller creates the ID of a new event when adding to database, but event doesn't work without ID	1	made controller return the ID so GUI manager could update the new event

Product	GUI Manager + GUI Visual connection
Date	10/19
Author(s)	Joseph Marshall

Defect #	Description	Severity	How Corrected
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1	Off by one error in Weekly View; try to put 8 days of events into a 7 length array	2	Changed get weekEvents to go from 0-6 rather than 0-7;
2	Month view showed 1 too many rows b/c day of week value is 7 for Sunday, so when calculating needed rows to display it would add an extra row.	3	made value of Sunday be 0 instead of 7 (with ternary operator) day = (day==7) ? 0 : day;
3	events appearing on the previous day b/c arrays start at 0	1	added one to fix off by one error

Product	Priority Algorithm Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Would suggest times that were before the current time.	2	Only suggests time that is after the current time

Product	Database Contact Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Was searching the wrong database for Contact objects	1	Changed the key to look in the correct database
2	Was searching the database for contact key	1	Changed the key to be contactName as it should be

Code Inspection

Product	PopUp Timer
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	Timer thread would continue to execute after application stops running	2	Overwrote "stop" function for the FX thread containing an explicit cancel for Timer thread
2	Handler checks would bottleneck Timer Thread	2	Set Handler TimerTask to run every 20 seconds

Product	Priority Algorithm Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Stuck in infinite loop when searching for day with extra time for events	1	Reset the time availability back to 0 in the loop

Product	Event Presets
Date	10/12/18
Author(s)	Abhi Gupta

Defect #	Description	Severity	How Corrected
1	Homework Completed checkbox wouldn't disappear when other events were selected	2	Added code to delete preset fields when their preset is not selected
2	EventDialog was throwing an error when a preset was selected multiple times	1	Had to reset the fields to default if a preset other than GENERAL was selected

Product	Database Contact Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Was searching the wrong database for Contact objects	1	Changed the key to look in the correct database
2	Was searching the database for contact key	1	Changed the key to be contactName as it should be

Product	GUI Contact Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Was adding duplicate contacting events	3	Checked to see if there was a recent event to contact someone

Product	PopUp Handler
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	Handler was throwing a NullPointerException when checking Booleans	3	Used Wrapper for Boolean instead of checking values directly
2	Handler check would break out of event loop if the allottedTimeUp boolean had not been set	1	Set the loop to continue iterating if the value had been set to true (set by user in the event creation)
3	Handler would remind user multiple times in a minute	1	Add a 'lastRemind' integer to store the last 'minute-hand' value of a reminder and thereby prevent Pop-Up spam
4	Handler would notify user of upcoming and recently ended events multiple times in a minute	2	Update flags 'allotedTimeUp', 'completed', and set 'notificationOffset' to -1 in the database

Product	PopUp Timer
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	Timer thread would continue to execute after application stops running	2	Overwrote "stop" function for the FX thread containing an explicit cancel for Timer thread
2	Handler checks would bottleneck Timer Thread	2	Set Handler TimerTask to run every 20 seconds

Product	PopUp Controller
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	FX staging for pop-ups would conflict with main GUI staging	2	Give pop-ups basic JFrame to eliminate GUI conflicts

Unit Test Inspection

Product	PopUp Handler
Date	10/12/18
Author(s)	Pano Kostouros

Defect #	Description	Severity	How Corrected
1	Handler was throwing a NullPointerException when checking Booleans	3	Used Wrapper for Boolean instead of checking values directly
2	Handler check would break out of event loop if the allottedTimeUp boolean had not been set	1	Set the loop to continue iterating if the value had been set to true (set by user in the event creation)

Product	Event Presets
Date	10/12/18
Author(s)	Abhi Gupta

1	Preset fields weren't being stored in the database	1	Had to modify the functionality of Events and adding Events to allow for optional presets
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Product	Add an Event
Date	10/19

Author(s)	Joseph Marshall
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Defect #	Description	Severity	How Corrected
1	(Test "Add an event, view details") Add event should display event in correct day/time when added, but wouldn't show until refreshed (added to database but not user view)	1	GUI needed to redraw view up update, so made sure the add event action would redraw the view and therefore show the new event.
2	(Test "Add an event, cancel") Closing pop-up after clicking add event created default event	2	Made sure event doesn't get added to database until you hit confirm on add event dialog rather than when first clicking add event

Product	Calendar Views
Date	10/19
Author(s)	Joseph Marshall

Defect #	Description	Severity	How Corrected
1	(Test "Calendar View; See month view 2") When selecting month view when viewing month view, it would set the month to current date and redraw	3	Added state flag to ignore selection of already viewing.
2	(Test "Calendar View; Scroll week view") Some weeks wouldn't render if there was an event on Sunday, because it was trying to access element 7 of an array of length 7	2	Made sure Sunday was treated as 0 and not 7 when accessing the week array

Product	Priority Algorithm Defect Log
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Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
1	Searching for events in an arraylist when there were no events for that day	1	Checked the size of the arraylist and handles the empty case separately.
2	Comparing the time of the event in correctly. Would put the event in the wrong time slot	1	Switched the compare statement.

Product	Database Contact Defect Log
Date	10/12/2018
Author(s)	Gus Vroustouris

Defect #	Description	Severity	How Corrected
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