Inspection Issue Log

Team Area 52
Project: ___Rat Sighting App___

Inspection ID: ___App Eval 1___

Meeting Date: ___11/13/2017___

Recorder: ___Eric Malavenda___

Origin:	**R**equirements, **D**esign, **C**onstruction, **T**esting
Type:	**M**issing, **W**rong, **E**xtra, **U**sability, **P**erformance, **S**tyle, **C**larity, **Q**uestion
Severity:	**M**ajor, **m**inor

Defects Found: __8__ **Major(M),** __35__ **minor(m) Defects Corrected:** __2__ **Major** __15__ **minor**

	Origin	Type	Severity	Location	Description
1.	Design	Clarity	m	CreateRatReport	controllers.CreateRatReport 1. +returnToRatReportList() • consider improving name
2.	Design	Performance, clarity	m	CreateRatReport	(2) +createNewRatReport() • refactor for clarity, efficiency
3.	Design	Missing	M	MainActivity	(3) controllers.MainActivity • encapsulation issues
4.	Design	Style	m	MainActivity	((4), (5)) +setUpButtonsOnStartUp() • delegate some of the logic to separate method(s)
5.	Design	Style	m	MainActivity	• rename method
6.	Design	Missing	M	RegistrationActivity	((6), (7)) controllers.RegistrationActivity • encapsulation issues
7.	Constr	Missing	m	RegistrationActivity	• add JavaDocs
8.	Constr	Wrong	m	ReportListActivity	(8 -> 12) controllers.ReportListActivity • ReportRecyclerView -> fix debug issue
9.	Design	Style	m	ReportListActivity	• Recycler attributes hard-coded • move sortRatReportByDates to RatReportManager or more appropriate class
10	Design	Style	m	ReportListActivity	• separate detailed view instead of just Toast for report details • make individual report attributes independently selectable

#	Phase	Category	M/m	Class
11	Design	Usability	m	ReportListActivity
12	Design	Performance	M	WelcomeActivity
13	Design	Performance	M	WelcomeActivity
14	Design	Missing	M	Admin
15	Design	Style	m	Model
16	Constr	Perfor-mance	M	Model
17	Constr	Wrong	M	Model
18	Constr	Perfor-mance	M	Model
19	Constr	Wrong	m	PersistanceManager
20	Design	Style	m	RatReport
21	Constr	Extra	m	RatReportLoader
22	Design	Perfomance	m	RatReportLoader
23	Design	Performance	m	RatReportLoader
24	Design	Style	m	RatReportLoader

((12), (13)) controllers.WelcomeActivity
- AsyncTask for loadRatReports(), loadUsers()
- move this task to occur after user logs in

(14) model.Admin
- add methods for functionality
  (15 -> 18) model.Model
  - change name to UserManager
  - speed vs storage. New hash ma... each instance of app run is unnecessary. Data structures th... contain same info lead to redu...
  - +addNewUser(user : User) - a... list and hash map… Necessary
  - Default password creation is se... concern
  - efficiency problem creating a ... copy of userList each addUser... instance

(19) model.PersistenceManager
- +loadBinary(file : File) - remov... debug message

(20) model.RatReport
- +setReportDate(date : Date)
- Use DatePatternGenerator?

(21 -> 25) model.RatReportLoader
- remove hanging JavaDocs
- +getRatReportsFromCSV(csv... InputStream) - improve implementation for efficiency ...
- contains() -> place in a utility ... shared class usability, make it ...
- +getRatReportDate() -> move ... formatter to RatReport class
- +getReportLatitude(), +getReportLongitude() -> com... into a single method

(26 -> 27) model.RatReportManager
- external method to call

25	Design	Style	m	RatReportLoader
26	Design	Style	m	RatReportManager
27	Constr	Wrong	m	RatReportManager
28	Design	Style	m	ReportLocation
29	Constr	Wrong	m	ReportLocation
30	Constr	Style	m	User
31	Constr	Extra	m	DateRange
32	Design	Style	m	DateRange

+loadRatReports() from Activi
Limited to this implementation

- fix typo in JavaDocs for
  +loadRatReports() method

(28 -> 29)model.ReportLocation
- create enum for Borough
- setZipCode() make public
- create enum for locationType

(30) model.User
- remove RegistrationActivity in
  creation from inside default no
  constructor

((31), (32)) model.DateRange
- remove comments in onCreate
- subtracting 1900 is needed bec
  Date constructor is deprecated.
  non-dep constructor.
- move some of the logic in onC
  into separate method(s)

(33 -> 35) controllers.GraphActivity
- move some code out of +onCreate()   33 [Design, Style, m, GraphActivity]
- hist (Map) change add to put method calls, 34 [Design, Performance, m, GraphActivity]
  nested for loop for year, month
- minor detail -> readability: change hist to histogram 35 [Design, Style, m, GraphActivity]

(36 -> 38) controllers.GraphSetUp
- find a way to re-use DateRange class instead of creating a new copy. 36 [Design, Performance, m, GraphSetUp]
- create a Model-type class for shared methods belonging to Graph classes 37 [Design, Perfomance, m, GraphSetUp]
- Remove hanging JavaDocs 38 [Constr, Extra, m, GraphSetUp]

(39 -> 43) controllers.MapsActivity
- outdated JavaDoc comment for +onMapReady() 39 [Constr, Wrong, m, MapActivity]
- line 51 move 40 [Constr, Wrong, m, MapsActivity]
- line 49 change to New York (from Sydney) 41 [Constr, Wrong, m, MapsActivity]
- consider renaming +getRatReportFilteredList() method 42 [Design, Style, m, MapsActivity]

shared method for access to DateRange, with GraphActivity class 43 40 [Design, Performance, m, MapsActivity]