Bug Tracking System

TA: Dr. Ahd Abd Elrazek

Team Members :

1-Ahmed gamal el taweel   section:1

2-Abd el hamed hamed   section:8

3-ahmed mostafa mohamed mostafa elmasarany   section :2

Main Function in project ::

==>Manger :

1-adding developer
2-adding tester
3-view all bugs with full details
4-view bugs filtered by status
5-assigned project to developer

==>Tester :

1-adding new bug with full details
2-bug added with status open to database
3-name of tester reported it

==>Developer :

1-can view bugs filtered by priority (((done)))
2-can view bugs filtered by type (((done)))
3-update status of bugs from open to closed
4-provide his name to view all bugs assigned to him

- Using OOP Concepts :

1- Encapsulation .
2- Abstraction .
3- Inheritance .
4- Polymorphism .

UML Diagram :

DB

- $con
- $db_host
- $db_user
- $db_name
- $db_password
- $result

+ Connect();
+ disconnect();
- tableexist($);
+ select($,$,$,$);
+ update($,$,$)
+ insert ($,$,$);
+ getresult();

Person

- $ID
- $Name

+view();

1..* *1..** *0..1*

1..*

0..1 *0..1* *1..**

Developer

+construct($,$);
+view($);
+viewtype($);
+fixBug($);
+viewAssignedBugs();

0..1

Tester

+ constructor($,$);
+addBugInfo($,$,$,$);

Manager

+ view();
+ viewbystatusopen();
+ viewbystatusclosed();
+ addtester($);
+ adddeveloper($);
+ assignBugToDev($,$);

BugDB

+construct();
+addBugInfo($, $, $, $, $);
+assignBugToDev($, $);
+updateBugStatus($);
+viewAllBugs();
+viewBugsByStatus($);
+viewBugsByPriority($);
+viewBugsByType($);
+viewBugsAssignedToDev($);
+destruct();