Software quality

Fontys University of Applied Science

Software

Project Plan Individual project:

Henaknowledge

Tutor: Tim Kurvers & Maja pesic
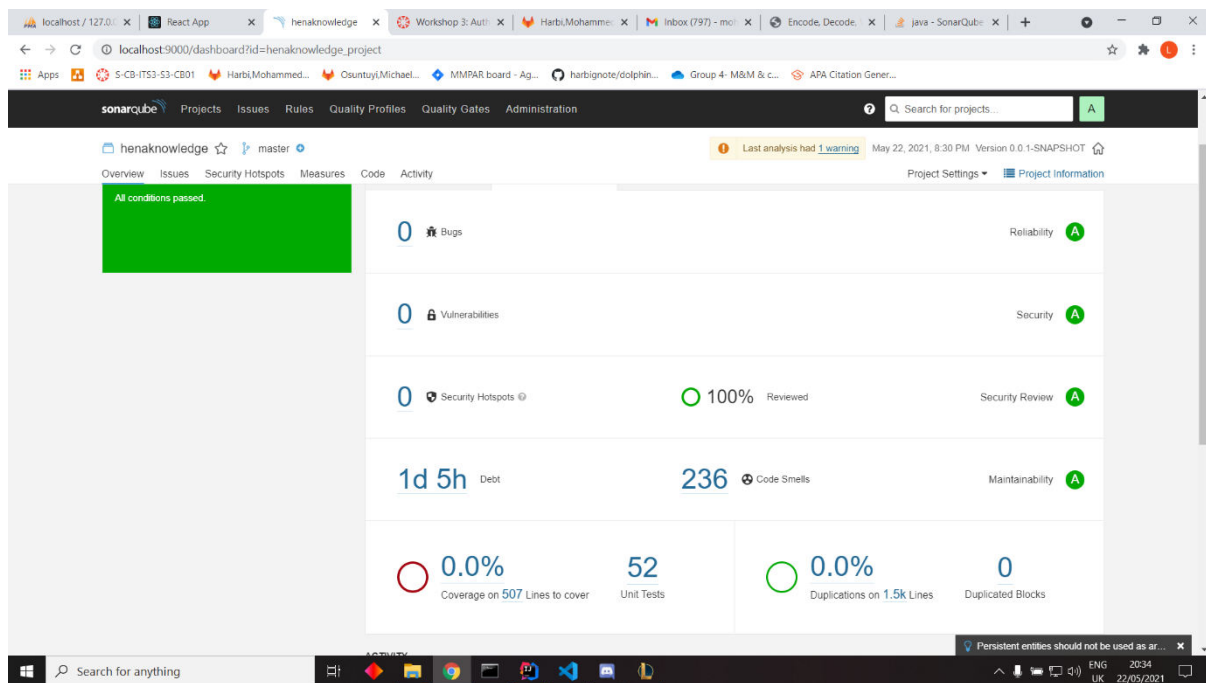
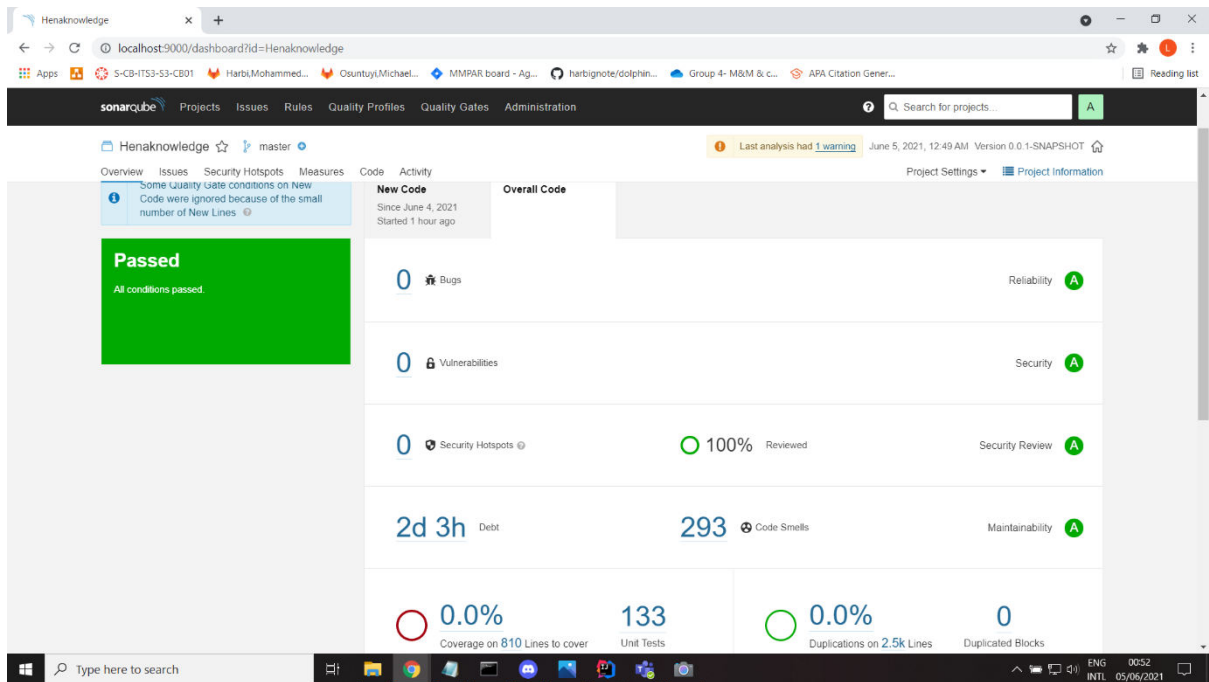## Student: Mohammed Al Harbi

4089553

Contents

Introduction:

In this document I would try to prove that I do care about the software quality with some
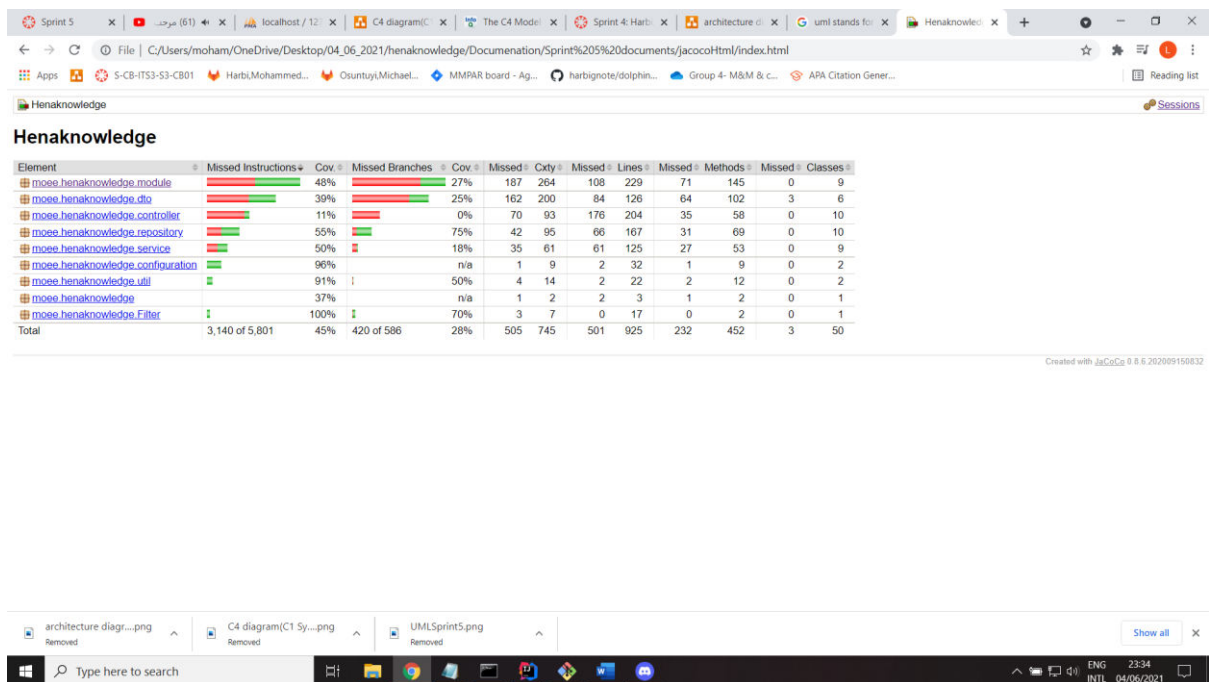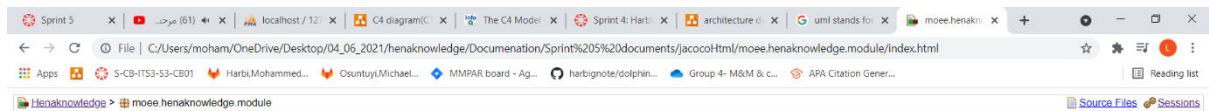
screenshots to proof that.

Sonarqube:

This is from sprint 3 version results shown in SonarQube. The coverage is broken, it does not state

exactly the coverage percentage but SonarQube passed the program.

In picture above I have 133 unit tests. However, the issue from sprint 3 remained the same (shallow clone decided.) the coverage is not shown properly.

Jacoco:

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
moee.henaknowledge.module		48%		27%	187	264	108	229	71	145	0	9
moee.henaknowledge.dto		39%		25%	162	200	84	126	64	102	3	6
moee.henaknowledge.controller		11%		0%	70	93	176	204	35	58	0	10
moee.henaknowledge.repository		55%		75%	42	95	66	167	31	69	0	10
moee.henaknowledge.service		50%		18%	35	61	61	125	27	53	0	9
moee.henaknowledge.configuration		96%		n/a	1	9	2	32	1	9	0	2
moee.henaknowledge.util		91%		50%	4	14	2	22	2	12	0	2
moee.henaknowledge		37%		n/a	1	2	2	3	1	2	0	1
moee.henaknowledge.Filter		100%		70%	3	7	0	17	0	2	0	1
Total	3,140 of 5,801	45%	420 of 586	28%	505	745	501	925	232	452	3	50

moee.henaknowledge.module

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods	Missed	Classes
Experience		1%		0%	34	35	25	26	19	20	0	1
ExperienceOpinion		1%		0%	24	25	21	23	16	17	0	1
Comment		1%		0%	24	25	18	19	14	15	0	1
Person		42%		0%	16	24	12	41	8	16	0	1
Teacher		78%		41%	26	44	8	34	3	20	0	1
Student		80%		41%	25	44	8	34	2	20	0	1
Email		70%		40%	20	27	3	8	5	12	0	1
MyDetails		47%		n/a	2	11	12	26	2	11	0	1
Admin		79%		43%	16	29	1	18	2	14	0	1
Total	978 of 1,912	48%	173 of 238	27%	187	264	108	229	71	145	0	9
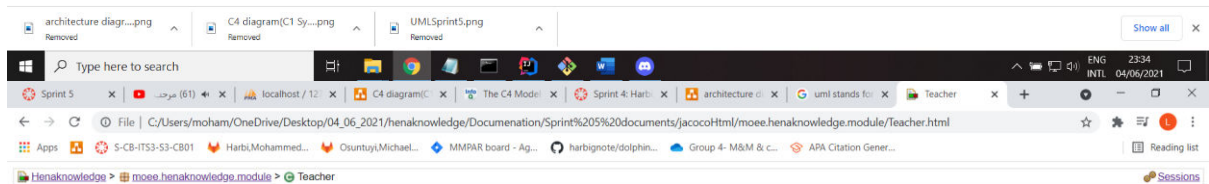
Teacher

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
equals(Object)		72%		39%	18	20	0	1	0	1
Teacher(String, String, String, String, String, int)		0%		n/a	1	1	8	8	1	1
hashCode()		87%		50%	5	6	0	1	0	1
setUsername(String)		0%		n/a	1	1	1	1	1	1
setRole(String)		0%		n/a	1	1	1	1	1	1
Teacher(int, String, String, Date, String, String, String, String, String, int)		100%		n/a	0	1	0	8	0	1
Teacher(String, String, Date, String, String, String, String, String, int)		100%		n/a	0	1	0	8	0	1
toString()		100%		n/a	0	1	0	1	0	1
setSpecialization(String)		100%		n/a	0	1	0	1	0	1
setCode(String)		100%		n/a	0	1	0	1	0	1
setPassword(String)		100%		n/a	0	1	0	1	0	1
setPoints(int)		100%		n/a	0	1	0	1	0	1
getSpecialization()		100%		n/a	0	1	0	1	0	1
getCode()		100%		n/a	0	1	0	1	0	1
getUsername()		100%		n/a	0	1	0	1	0	1
getPassword()		100%		n/a	0	1	0	1	0	1
getRole()		100%		n/a	0	1	0	1	0	1
getPoints()		100%		n/a	0	1	0	1	0	1
Teacher()		100%		n/a	0	1	0	1	0	1
canEqual(Object)		100%		n/a	0	1	0	1	0	1
Total	70 of 330	78%	28 of 48	41%	26	44	8	34	3	20

file:///C:/Users/moham/OneDrive/Desktop/04_06_2021/henaknowledge/Documenation/Sprint 5 documents/jacocoHtml/moee.henaknowledge.module/Teacher.java.html#L40
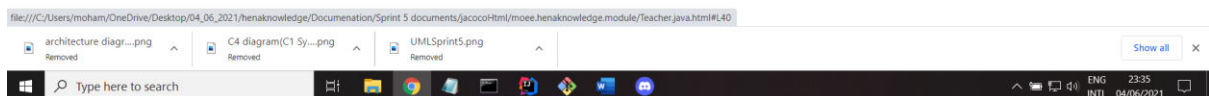
These are some samples of Jacoco results since the amount of unit tests and coverage are broken at the moment in SonarQube.

The full Jacoco report is also available in the document folder.