QS Maßnahme Automatische Tests, Iteration 4

Gruppe 40
17.1.2021

1 Information

Ausgeführt von	Maximilian Stillger
Datum	17. Januar 2021
Ergebnis	Bestanden, Coverage 84%
Betroffene User Stories	24, 27

2 Erläuterung

Dieser Beleg bezieht sich auf die User Stories 24 und 27. Es wurde (u.a.) die Grade Heat Function im Backend getestet.

Das Python-Programm Coverage verfehlt leider viele der Statements, weshalb die Code Coverage beim Router und Controller komplett fehlt (siehe Projektdoku). Alle 4 Tests werden jedoch erfolgreich abgeschlossen und haben nach unseren Kriterien und unserem Ermessen die Funktionen ausreichend getestet.

3 Ergebnis

```
================================================================================================
platform win32 -- Python 3.7.2, pytest-6.1.2, py-1.9.0, pluggy-0.13.1
rootdir: C:\Users\Max\PycharmProjects\tsam\backend
plugins: cov-2.11.1
collected 112 items

testing\test_auth.py .....
testing\test_candidate_chat.py .....
testing\test_candidate_skill_grade.py .....
testing\test_essential_skill.py ..........
testing\test_file.py .........
testing\test_grade_heat_function.py ....
testing\test_grade_scale_function.py ....
testing\test_interview_question.py ........
testing\test_job.py ........
testing\test_marker.py ......
testing\test_observation.py .....
testing\test_role.py ....

testing\test_transaction.py ....
testing\test_user.py ....................
testing\test_weight_scale_function.py ....

----------- coverage: platform win32, python 3.7.2-final-0 -----------
Name                                                Stmts   Miss  Cover
----------------------------------------------------------------------
__init__.py                                             0      0   100%
```

```
controllers\__init__.py                                     0      0   100%
controllers\candidate_job.py                               46     32    30%
controllers\essential_skill.py                             61     44    28%
controllers\exceptions\CandidateJobException.py             4      1    75%
controllers\exceptions\ControllerException.py               3      1    67%
controllers\exceptions\EssentialSkillException.py           4      1    75%
controllers\exceptions\JobException.py                      4      1    75%
controllers\exceptions\SourceColumnException.py             4      1    75%
controllers\exceptions\SourceException.py                   4      1    75%
controllers\exceptions\UserException.py                     4      1    75%
controllers\exceptions\UserRoleException.py                 4      1    75%
controllers\exceptions\UserUserException.py                 4      1    75%
controllers\exceptions\__init__.py                          0      0   100%
controllers\job.py                                         53     32    40%
controllers\user.py                                        98     62    37%
controllers\user_role.py                                   41     25    39%
controllers\user_user.py                                   35     21    40%
defaults.py                                                 3      0   100%
exceptions\__init__.py                                      0      0   100%
exceptions\http.py                                         19      8    58%
models\Base.py                                              2      0   100%
models\CandidateChat.py                                    12      0   100%
models\CandidateJob.py                                      9      0   100%
models\CandidateSkillGrade.py                              15      2    87%
models\Chat.py                                              6      0   100%
models\ChatUser.py                                          6      0   100%
models\EssentialSkill.py                                   17      3    82%
models\File.py                                             11      1    91%
models\GradeHeatFunction.py                                 9      0   100%
models\GradeHeatFunctionColors.py                           8      0   100%
models\GradeScaleEvaluationMapping.py                       9      0   100%
models\GradeScaleFunction.py                               10      0   100%
models\InterviewQuestion.py                                 9      1    89%
models\Job.py                                              10      1    90%
models\Marker.py                                            8      0   100%
models\MarkerRectangle.py                                  10      0   100%
models\Message.py                                           9      0   100%
models\Transaction.py                                      10      0   100%
models\WeightMapping.py                                     9      0   100%
models\WeightScaleFunction.py                               9      0   100%
models\__init__.py                                         24      0   100%
models\security\Permission.py                               8      0   100%
models\security\Role.py                                     6      0   100%
models\security\RolePermission.py                           9      0   100%
models\security\Token.py                                   10      0   100%
models\security\TokenPermission.py                          9      0   100%
models\security\User.py                                    17      1    94%
models\security\UserRole.py                                 9      0   100%
models\security\UserUser.py                                 9      0   100%
models\security\__init__.py                                 8      0   100%
settings.py                                                26      2    92%
testing\__init__.py                                         0      0   100%
testing\decorators\__init__.py                              0      0   100%
testing\decorators\assertions.py                           10      0   100%
testing\decorators\oauth2.py                               38      0   100%
testing\test_auth.py                                       16      0   100%
testing\test_candidate_chat.py                             51      0   100%
testing\test_candidate_skill_grade.py                      90      0   100%
testing\test_essential_skill.py                            83      0   100%
testing\test_file.py                                       43      0   100%
```

```
testing\test_grade_heat_function.py                     33      0    100%
testing\test_grade_scale_function.py                    46      0    100%
testing\test_interview_question.py                      97      0    100%
testing\test_job.py                                     48      0    100%
testing\test_marker.py                                  40      0    100%
testing\test_observation.py                             47      0    100%
testing\test_role.py                                    24      0    100%
testing\test_settings.py                                 8      0    100%
testing\test_transaction.py                             38      0    100%
testing\test_user.py                                   132      0    100%
testing\test_weight_scale_function.py                   42      0    100%
utils\__init__.py                                        0      0    100%
utils\security\__init__.py                               0      0    100%
utils\security\security_functions.py                    12      2     83%
------------------------------------------------------------------
TOTAL                                                 1822    298     84%


===================================================================================================
```

4 Konsequenzen

Die Tests zur Grade Heat Function wurden fehlerfrei absolviert, daher kann die Grade Heat Function in unser Produkt eingebaut werden.