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CS 305 – Software Engineering

**User Stories**

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| ACTOR | DESCRIPTION |
| Test Taker | Individual who takes a test and has their performance evaluated |
| Test Proctor | Individual who monitors a test taker during a test session |
| Auditor | Individual who analyzes test performance reports |
| System Administrator | Individual who has the highest privilege in the system |

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| # | FEATURE | ACTOR | ACTION | RESULT |
| 1 | **Proctor Registration** | *Test Proctor* | Proctor provides username, password, and email | Proctor is registered in the system |
| 2 | **Proctor Login** | *Test Proctor* | Proctor submits valid username and password | Proctor, if exists, is logged into the system |
| 3 | **Proctor Account Recovery** | *Test Proctor* | Proctor forgets username or password | Email is sent to proctor with recovery details |
| 4 | **Test Taker Registration** | *Test Proctor* | Proctor provides unique study ID for a test taker | Test Taker is registered in the system |
| 5 | **Test Taker Login** | *Test Proctor* | Proctor provides study ID | Test Taker, if exists, is logged into the system |
| 6 | **Test Taker Account Recovery** | *Test Proctor* | Proctor requests list of study ID’s | Email is sent to proctor containing all study ID’s associated with that proctor |
| 7 | **Testing** | *Test Taker* | Test Taker engaged in an interactive test over a chapter | Test performance is evaluated and recorded |
| 8 | **Testing** | *Test Taker* | Test Taker completes a test for the first time | Test is flagged as complete, performance data is recorded, and test taker is prompted to restart, choose test, or quit |
| 9 | **Testing** | *Test Taker* | Test Taker completes a previously completed test | New performance data is stored alongside old data and test taker is prompted to restart, choose test, or quit |
| 10 | **Testing** | *Test Taker* | Test Taker quits a test in progress | All performance data is purged but a test attempt is logged |
| 11 | **Performance Reports** | *Auditor* | Auditor requests a performance report for a study ID | All performance evaluations are combined to generate a report for the specific study ID |
| 12 | **Performance Reports** | *Auditor* | Auditor requests a performance report for all study ID’s | All performance evaluations are combined to generate a report |
| 13 | **Performance Reports** | *Auditor* | Auditor applies filters to generate a performance report | Information satisfying the filters is combined to generate a report |
| 14 | **Performance Reports** | *Auditor* | Auditor requests a download of a performance report | A CSV file of the report is generated and downloaded |
| 15 | **System Maintenance** | *System Administrator* | Errors in the database or web application are reported | Issues are documented, researched, and remediated |