**Functional Requirements**

* Software must allow users to login to the program
* Software must differentiate users between: “Training Managers, Employees, and Auditors”
* Software must store user information including: Login, Password, First Name, Last Name, Employee ID (EID) and Department of Employment
* Software must store lessons and exercises based on specific Air Traffic Control information.
* Software shall allow Employees to select “lesson goals” based off of lessons stored in the program.
* From those “lesson goals,” software will compile numerous lessons and exercises related to the chosen lesson goals to create a unique “Lesson Plan” for the employee to study.
* Software shall launch an Air Traffic Control simulation for the employee to take and grade the employee on performance as well as elapsed time of the simulation.
* Software shall save grades and elapsed time with association to the employee.
* Software shall allow Employees to view their scores for each simulation taken.
* Software shall also allow Training Managers to view scores of every employee in the same department as the Training Manager.
* Software shall allow Auditors with valid “EID” to view times of employees simulation trials for legal reasons.

**Non-Functional Requirements**

* Software must be fully documented
* Software must be privately accessed in house or via secure remote connection
* Software must have an intuitive GUI with easy to follow instructions
* Software must be able to be maintained and kept up to date

**Use-Cases**

* User tries to log in, but forgets password and needs to generate a new one
* Manager logs in and adds a new simulation to the program
* Manager logs in and views reports for a specific trainee
* Manager logs in and adds a list of new training goals
* Trainee logs in, takes his first test simulation, views the report of the simulation, and then logs out
* Trainee logs in, starts a simulation, but has an emergency and quits the program unexpectedly
* Trainee logs in and takes a simulation, fails the simulation and tries a new simulation
* Auditor logs in and views reports for a specific trainee
* Auditor logs in and views list of total time spent for a specific trainee

**Questions for customer**

* Do managers need the ability to add/remove/modify trainees? YES
* Do we need to have a way for a user to find their username/password? yes some way allow them to retrieve information

Things to think about?

\* Do we want to configure a certain number of attempts to login?

\* How do we make the GUI idiot proof?

**\* Allow the admin to add more roles? (contractor…)**

\* Simulator questions: have the simulator grade the quiz or have the simulator give back information to grade.