**2.2 Product Functions**

Our team would like to give brief summary of the major functions of student tracker software. The first function for this program is to record the time stamps and name when a student’s swipes his or her id card. This allows the teacher to take roll for the class and see if student is tardy. Another function of this program is record time stamp of student bathroom break and tells if student is in the office. One the most important functions is to allow a teacher or administrator to print out list records at the end of the week. The program will be broken up into three users such as teacher, administrator, and maintainer. The system main design is to keep tracker of student in school and allow teacher take accurate row in class room using this software and ID cards.

**2.3 User Characteristics**

To use our program that we are creating the users will need the basic technical skills. What I mean is the user must know how to navigate basic application and have good management skills. The users need to education level of the basic of time stamp apps and how change data through selection and input. The design of the app is so any one using it will automatically know how use without any problems. We are designing the UI to fit everyone even those who are not good with technology.

**2.4 Constraints**

One of the main constraints of this program will be security. We do not want any unauthorized user access any part the program that can modify certain data. Another constraint we face in building this program is getting ID scanner and the app to work together and record data entries accurately. One big constraint is that have data compile in end of week or end of year print out sheets. The last constraint is making sure have the data correctly organized in the database.

**2.5 Assumptions and Dependencies**

One assumption is that the ID scanner software we are using can only work with a few of visual studio functions so limits or options in make the program. If we could have got a better ID scanner we could have more leeway in our options in how to design the program and it’s UI. Another one is if we had access to SQL server instead of having to make local one to use.