Hello everyone, our project is trying to design a system by using Monte Carlo Simulation for students to decide whether they should buy parking permit or not. Our group has members which are Xinyu Tian, Chaohan Shao, Shukai Yao and me. Each team member played an important role in our team and completed each task in advance. It is my honor to work with those guys and let me introduce the functionally of our system.

Our system has three outcomes basically. When a student pays the meter, he or she may receive a ticket if the payment period is expired. In addition, if a student parks in the parking lot with permit restrictions, the police may ask the tow company to tow the student’s car. This could a large amount for students to pay compares to the parking ticket. However, the student could be lucky without the penalty if the police is not patrol in this area. The result of the probability whether the student may receive a ticket or be towed is calculated with the database which are the course schedule and the number of students at the particular time period. This simulation can help student to decide whether they should purchase a parking permit or keep paying the meters.