1. **System Features**
   1. **Monitor & Capture Video/Photo**
      1. Description and Priority  
         Monitor occupied and vacant parking spaces in a parking lot by image acquisition within a time frame during a 24-hour and 7 days a week in process while obtaining digital images from a camera which will capture single frames of video, converts into digital, and then sends the photos to a neutral network. Priority is high.
      2. Stimulus/Response Sequences  
         Stimulus: Patron requests for an available parking space  
         Response: System queries patron for details of parking space availability  
           
         Stimulus: Patron orders a limited time frame for parking space  
         Response: System sets the limited time frame requested
      3. Functional Requirements  
         REQ-1: The system shall observe parking spaces and obtain images  
         REQ-2: The system shall send captured images by transmission through Wi-Fi to the neutral network which shall receive the captured images and save captured images  
         REQ-3: The system shall keep track of past, present, and future time/date
2. **Other Nonfunctional Requirements**
   1. **Performance Requirements**PE-1: Thesystem shall have a usage time of 24 hour of each day of the week  
      PE-2: The system shall have a time interval of up to 15 seconds
   2. **Safety Requirements**SE-1: The system may have a risk of being damaged, loss of data, and/or harmed due to severe weather conditions such as thunderstorms, rain, lightning, winds, fog, hot/cold temperatures, and/or natural disasters.  
      SE-2:
   3. **Security Requirements**SE-1: The system shall permit the administrator access only with granted password
   4. **Software Quality Attributes**Adaptability-1: Able to adjust to daytime and nighttime settings  
      Availability-1: The system shall be available to the administrator 24hours every day of the year  
      Correctness-1: The system shall obtain results of time, day, and availability
   5. **Business Rules**

The administrator may not give out private information about patrons whereabouts unless authorities are investigating