**Software Requirements**

Functional Requirements:

1. The customer has control over the trip they want to go on and when they want to go on it
2. The customer has control of making changes to the trip however they want to, based on whatever reasons
3. In order to change the trips, the customer has the opportunity to contact their agent
4. The travelling services should generate the people travelling day to day and their travel times
5. Each customer will have their unique ticket number which they will travel with no matter the mode of transportation.

Non-Functional Requirements:

**1. Product requirements:**

**a.**     **Usability requirements:** this would include any sort of compatibility with multiple different operating systems. As well as being accessible to those with disability such as being color-blind or lacking fine motor skills to navigate the menus.

**b.**    **Dependability requirements:** would include maintaining a proper maintenance schedule, as well as publicizing when any maintenance might cause the system to go down.

**c.     Security requirements:** this would include any authorization system involved with the software. Which would be logging into an account using a password or adding credit card information to pay.

**d.**    **Efficiency requirements**

**i.**  **Performance requirements:** this would include making sure that even if the software can run on almost any operating system, that the efficiency level is not affected due to incompatibility. There is also a base level of performance that most users expect from any type of software they use; so, our software should at least meet this standard.

**ii.** **Space requirements:** this would include making sure that our software is not too memory intensive. If the application itself takes up half a gigabyte of memory, then customers who are low on space on their device are much less likely to use our software.

**2.**     **Organizational requirements**

**a.**     **Environmental requirements**

**b.**    **Operational requirements**

**c.**     **Development requirements**

**3.**     **External requirements**

**a.**     **Regulatory requirements:** this would include any sort of industry standards that is expected from travel software. These regulatory requirements could also come from any union that operates in the same scope.

**b.**    **Ethical requirements:** would include making sure that our software equally represents all companies that may be available. If our software directed customer’s more towards a company that would give us portion of their sales, then it would not be ethical.

**c.**     **Legislative requirements**

**i.** **Accounting requirements:** this would include maintaining proper tax records for the time mandated by any of the contraries that we operate in. We would need to be able to prove that all of our money was acquired through legal means.

**ii.** **Safety/security requirements:** this would include possibly vetting any companies that we allow to sign up to our software. Say a taxi company had a long record of customers going missing while on the road with one of their drivers. We would need to be able to show our customers that we only deal with safe companies.