Feasibility Study

Problem Definition

An online ticket purchasing software to be used by customers to reserve and prepay for seats for events. There will be an initial menu with the options of, purchasing tickets for different dates, checking event availability, confirming ticket details with a confirmation code, listing the events occurring by date, an operator menu to create a new event.

Problem Analysis

1. A computer or smartphone with an internet connection
2. Menus will be very interactive so customers will not require training. Operators may need some orientation to program new events
3. Any user old enough to have a bank account and access to online purchasing
4. The user will learn to use it as they progress
5. Employee payment and operator training payment
6. The service is provided for free by the venue
7. The program will be embedded in a website, so it will be accessible by any browser running in any operating system
8. Stadium ticket and food pricing schemes, stadium size and seating arrangements
9. Two weeks are available for development

End User Requirements and Recommendations

A usage statistics menu for the operator, checking how many times the program has been accessed.

**Software Project Plan**

Statement of Work

|  |  |  |  |
| --- | --- | --- | --- |
| Danny | Rafael | Jonathan | Thomas |
| Creating the stadium map, ticket confirmation number assignment | Interface, checking availability, Usage Statistics | Ticket purchasing and seat reservation, operator menu to create a new event | Creating ticket package with food subclasses, ticket pricing scheme |

Resource List

Computer availability

Work Breakdown

* Main - 1 hour
* newEvent – 2 hours
* purchaseTicket – 1.5 hours
* availability – 0.5 hours
* ticket class – 1 hour
* package subclass(es) – 1hour
* usageStatistics – 1 hour
* confirmation – 1 hour
* Testing and debugging – 1 hour

Risk Plan

If time runs out, features will be cut from the final project, in order of usageStatistics, food package subclasses, ticket confirmation.