**Report 2.1  
  
  
2.1 Problem Definition   
 2.1.1 Name of this CapStone Project :**   
 This Capstone Project Name is “Football Pitches Booking” or “FPB” in short.

**2.1.2 Problem Abstract :** Football Pitches Booking is a website that allow customers to place booking online.. At the same time, it helps the stadium owners with advertising football stadiums, hiring and managing reservation   
Requirements: There are two modules need to be implemented:  
Front end: This part is served for customer who wants to book a football place.  
Back end: This part is served for stadium owner who want to advertising football stadiums, hiring and managing reservation.

**2.1.3 Project Overview   
 2.1.3.1 The Current System :**  
**For customer :**  
 + Just apply for one stadium, no more than.   
 + No more customer know about  
 + start from requirement but no more satisfy from websites  
 + websites now are simple and spare, don’t have more function for customer such as : make statistics of customers' habits or some smart functions like offering options/suggestion to customers.   
 + just provides customers with address and contact information of stadium owners, then they must have to contact stadium owners to book space, must have to call each stadium owner individually to check whether the field is available or not .  
**For stadium owners :**   
 + it difficult for advertising to some people, very few people will know their stadium if they don’t make something to attract and broadcast  
 + easy make mistake in management is executed manually such as duplicate reservation, have dead time ( one field : no people place at 2pm but 2 people place at 4pm at the same time .. )  
 + don’t have tool to optimize the timing to utilize the fields  
 + risks and losses from customers when they cancel their reservation   
**For Web master :** + no more customer, no money to pay to maintain system.  
 +

**2.1.3.2 The Proposed System :**The system is developed web-base. This will provide these features to support the customers, stadium owners and admin: **For customer:** + reservation quickly, easily, saving time...   
 + Help customer to find the appropriate field by searching stadium round customers' position, comparing price among stadiums  
 + Make customer will be eased by professional payment methods , accurate and science  
 + Getting more information and enjoying discount or voucher from the stadium owners.  
**For stadium owner:**   
 **+** Once the customer have booked, they don’t have to worry there will be a duplicate reservation caused by stadium owners' mistake.  
 **+** easy way to use website like a channel to advertise, broadcast their services and attract many many people come to their stadium  
 **+** reduce the implement process of business operations, save time and costs  
 **+** The automatic system helps to prevent the risk of duplicate booking and to minimize the loss caused by reservation cancellation  
 + Analyze and evaluate the feedback will help they make a business plan more reasonable  
 + The self-arrangement and self-timing offered to customers makes the utilisation of field possible, reduce the dead time and increase profit  
 + gain more prestige through rating-feedback from customer as well as communicate with their customers  
 + website easy to use , intuitive , simple operation **For web master:  
 +** with many smart and outstanding functions of the new system, have more chances to increase the profit by attracting stadium owners to use this service  
 +  **2.1.3.3 Boundaries of the System :** + Website don’t intervene about finance problem of stadium owner.  
 + Website is a auto-system, always have validate, so it rarely have fault, doesn’t mean that did not happen.  
 + Website focus about booking football place, so if there are any other problems occur, we don’t have any responsibility to resolve.  
 + Only main functions of the system will be developed.  
 **2.1.3.4 Development Environment**:  
 **Hardware requirements:**  
 **+** A computerwith hardware that capable of running Windows 7 operating system, 2GB of RAM for addition software  
**Sotfware requirements:**   
 + Operating System : Windows 7 Professional (32 or 64 bit).

**2.4 Convention Rule:**   
Follow Microsoft Recommendation for C# Coding conventions (Microsoft MSDN, n.d.).