Phase I

Figure 1: Use case diagram

Phase II

Use Case Name: Enter heath condition	ID: 1	Importance level: HIGH
Primary Actor: athlete		**Use Case Type**: Real, Detail
Stakeholders and Interests: Medical practitioner – wants to advice the athlete		
Brief Description: Describe process of inserting medical condition		
Trigger: Athlete wants to insert symptoms **Type**: Temporal		

Relationships:
    Association:
    Include:
    Extend:
    Generalization:		

Normal Flow of Events:
  1. Launch the system
  2. Choose to enter symptoms
  3. Enter your score of the symptom		

Sub flows:		
Alternate/Exceptional Flows: 3. If the athlete keys in a number less than 0 or more than six, we would continue prompting until he/she keys in the right info		

Use Case Name: view summary	**ID**: 1	**Importance level**: HIGH
Primary Actor: Athlete		**Use Case Type**: Real, Detail

Stakeholders and Interests:
Athlete: Athlete wants to view summary of his heath condition

Brief Description: show steps for viewing summary

Trigger: athlete selects option two from the menu
Type: Temporal

Relationships:
    Association:
    Include:
    Extend:
    Generalization:

Normal Flow of Events:

    a) Launch the system
    b) Choose the option 2:

Sub flows:

Alternate/Exceptional Flows:
    4a. If athlete enters a number less than one or more than 4; treprompt for the right value
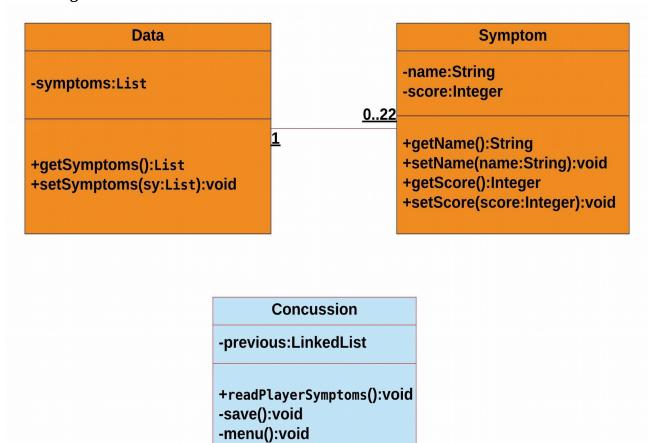
Use Case Name: Check risk	**ID**: 1	**Importance level**: HIGH

Primary Actor: Athlete   **Use Case Type**: Real, Detail

Stakeholders and Interests:
Athlete: needs to know level of risk

Brief Description: describes the steps iused to check if the athlete is at risk

Trigger: athlete selects option 3
Type: Temporal

Relationships:
    Association:
    Include:
    Extend:
    Generalization:

Normal Flow of Events:
    c) Launch the system
    d) Choose the option 3

Sub flows:

Alternate/Exceptional Flows:
    4a. If athlete enters a number less than one or more than 4; the athlete is prompted to re
    enter a choice

CRC card

Symptom	
• Hold name of each symptom • Hold symptom score	• Athlete

Data	
• hold diagnosis of previous 5 games	• Athlete • Sports Medical practitioner

Class Diagram

Data
-symptoms:List
+getSymptoms():List +setSymptoms(sy:List):void

Symptom
-name:String -score:Integer
+getName():String +setName(name:String):void +getScore():Integer +setScore(score:Integer):void

1 — 0..22

Concussion
-previous:LinkedList
+readPlayerSymptoms():void -save():void -menu():void -displaySummary():void -showRisk():void