**Functional & Non-Functional Requirements**

**Functional Requirements**

1. User may search the system for a Community Center
   1. User must search the system by current location or by entering the name of a specific center.
      1. A search report by name must provide the user with the specific community center matching their request.
      2. A search report by current location must provide the user with a list of the 5 closest community centers in relation to the user’s current location.
         1. The user must select one of the community centers to continue using the system.
            1. The system will display a list of courses available at the community center.
2. User may use the system to register themselves, their friends, or their family members for a course at a specific Community Center that they have selected.
   1. User must begin the registration process by login into his SingPass account
   2. User must begin the registration process by providing the system with their personal information
   3. User must pay the course fee in full online upon registration
      1. Online payment method includes VISA Transaction and NETS transaction
      2. The system will display Terms and Conditions provided by People's Association before users proceed with Payment
      3. User must agree with the terms and conditions before they can proceed with payment.
      4. User must enter their bank details in order to pay
      5. User may cancel the registration before the course fee is paid
   4. After payment completion, the system must send the user a confirmation email of their registration
3. Users may check/review their registered courses by selecting the “My Courses” tab
   1. The system must provide the user with a list of all of their registered courses
      1. The system must display the courses by name
   2. The user may select a specific course in order to see the full details regarding this specific registration.
      1. The system must provide the user with the selected course’s information catalog
4. Users may gain information on the registration process by selecting the “Help” tab
   1. The system must provide the user with a detailed list of instructions on how to register for a course

**Non-Functional Requirements**

1. **Usability**
   1. The user must have a valid SingPass account in order to use the system for registration of courses at any community center
   2. The system must have a Help tab, providing the user with valuable instructions on course registration
2. **Reliability**
   1. After the user logs into their SingPass account, The system shall synchronise with the user’s SingPass account
3. **Performance**
   1. The confirmation email must be sent within one working day
   2. The system will auto log off user’s SingPass account if the user did not interact with the system for more than 2 hours or the user exits the system
   3. The system will email the user within one working day in the occurrence of an unsuccessful payment transaction
   4. Upon exiting the system during registration, all information entered during the registration process will be lost immediately.
4. **Supportability**
   1. The system must be expanded to the iOS app Store, granting iPhone users access to the application
5. **Implementation**
   1. The system must only be available for Android Users
6. **Interface**
   1. The system will interact with the bank which the user uses for making payment
      1. Pop up window will appear for the user to make payment
7. **Operation**
   1. The system’s maintenance must be performed by the team King Code
8. **Packaging**
   1. The mobile application must be available within the Google Play Store