3.2 External Interface Requirements

3.2.1 User Interface

All contents are presented by web browser. The interface has some text boxes where users input their gender, age, weight, height, dietary habits and purpose. Then the users will get dietary suggestions from recommendation system if they input reasonable information or get some error messages if they input unreasonable information.

3.2.2 Hardware Interface

The application can run on any system. The system uses a database which is located on a network server. The user’s computer transfers and receives data from the server using basic networking protocols.

3.2.3 Software Interface

The system requires a properly configured version of browser. The system’s server can use either Windows, Linux or UNIX, but it must have MySQL properly installed and configured.

3.2.4 Communication Interface

All data transferred between the server and the individual computers shall use TCP/IP networking protocol.