**Knot Detail Specification**

A registered, logged­in user will be able to:

* Manage account, including:
  + Set and reset password
  + **Change confirmation email-address**
  + **Delete account**
* View and edit her own card profile, including:
  + Basic text information
  + **Social media information through API**
  + **Sound record information by microphone**
  + **Location information through Google map API**
  + **\*Hobby information (Films, TV shows, Books, Celebrities) through Douban API and IMDB API**
* Set card permission in order to protect private information, including:
  + **Four default permission type** including stranger, normal friend, good friend, and business friend
  + **Self define permission type**
  + **Permission type recommended by the system created by other users**
* Manage friend, including:
  + **Change friends’ permission type**
  + Delete friends
  + **Recommend friends to other users**
  + Sync if friends update their card information
  + **Sync friends information to other contact books through API or downloadable CSV file.**
  + **Add nicnknames or tags to other friends according to the permission type.**
  + **Make a skype call through skype API**
  + **Get friend name QR code**
  + **\*Show all friends’ locations through Google Map API**
* Search friend, including:
  + Search users in our website
  + **Use Gmail and other mailboxs’ api to sync friends in the mail list**
  + **Use Facebook, twitter and other social medias’ api to sync friends in the friend list**
  + **By connection level, 2nd connection, 3rd connection…**
  + **By location, common friends, age .…..**
  + **Uploaded CSV or json file.**
* Send friend requirement and get friend requirement notification
* View other user card profile **according to the permission setting**
  + News feed
  + All namecard

A non­logged­in user may:

* Register for Knot after confirmation through email
* Initiate an email­based password reset for a registered user’s account
* Complete an email­based password reset using a token from the password reset email

To support these features our application will eventually need (at least) the following:

* A registration/login page
* A page to initiate an email­based password reset
* A page to complete an email­based password reset
* A page to show friend cards using timeline
* A page to show friend cards in permission group
* A page to view one’s own profile or another user’s profile
* A page to edit one’s own profile, including the permission setting
* A page to show the notification of friend requirement
* A page to search new friends

In addition to the core features of each page, Knot pages will include intuitive navigational aids and a search feature that allow a user to easily navigate the site. Moreover, API will be provided and used for mobile application.

\*Mobile Application functions will be the same with web application. The different part is adding bump function into the mobile application in order users to exchange information through bump.