

User Interface Design Document

Dekū

Client

Shawn Squire

Team 6

Boris Boiko

Raymond Chan

Gilbert Kuo

Andrew Naviasky

Jeremy Neal

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1. Introduction

One of the main goals behind Dekū was to create a fun, yet useful social networking site to connect students across a campus. To do that, we needed a great interface that would be incredibly easy to pick up and and that would be fun to use.

1.1 Purpose of This Document

The purpose of this document is to show the user how to navigate and interact with the Dekū web application. It is intended to be read by any user of the system and will contain a detailed breakdown of each page and possible function on this website. Images will show the different pages involved within the application and highlight some of the key features of the application.

1.2 References

1. Dekū System Requirements

2. User Interface Standards

This section contains an overview of the design standards used in the Dekū web application.

This application strives to adhere to a single page architecture. That means we have minimized the amount of page traversal as much as is considered possible. There are three main pages to be aware of: login/create account page, home feed page, and profile page. While the layout will be very similar between these pages to reduce confusion, the content on each will be unique. To provide the user with more information, there will be menus that the user can bring up by swiping from the side of the screen (think opening the charms menu on Windows 8). On a profile page, the left will contain search options, notifications and messaging, and the right will be about account setting and preferences.

When the site is first loaded, it allows the user to create an account if they do not already have one, as seen in Figure 1.0 below. If the user already has an account, they can click on the “Login” button towards the top right hand corner of the page, as seen in Figure 2.0 below. The center of the page is devoted to a prompt asking the user to either make an account or prompt for the user to login with their credentials if they click the “Login” button and already have an account.

There are few buttons on this site. The header has a button for the site which directs to the home page with default filter settings (none). This button is located towards the upper left hand corner, which is indicated by the red box around the Dekū label. There is also a button to login (Figure 1.0) if you haven't done so already, which would change to a logout button if a user is currently logged in. Once logged in, there will be a button with a user's user name and avatar, which redirects the user to his/her profile page.

3. User Interface Walkthrough

3.1.1 – Creating an Account

The first page on the website is creating an account on the website, as seen in Figure 1.0 below. It is very simple and straightforward to navigate. A user, assuming he/she does not already own an account enters information to create an account just like any other website (ex. First name, last name, email, etc). On the portion of the create account information, the one section listed under “University” with the list box currently only lists “UMBC” since this web application is limited to UMBC students and faculty only. The implementation for opening this to different universities may not happen during Spiral 3 since this was not a requirement from the customer. It would be nice to implement this feature given that more time were given. If a person tries to just register without filling out a portion or any of the fields, it will prompt to the user whichever fields need to be filled in, as shown in Figure 1.1. There is an additional check to make sure a user enters a .edu email address. After entering the initial portion of the create account information, it will change pages to what is seen in Figure 1.2 and ask the user to fill out a short biography about themselves (graduation year, major, etc.). Once the user completes the registration form, it will redirect the user to the login page. If a user already has an account in the database, they may instead click “Login” at the top right hand corner and go from there.

3.1.2 – Logging In

With a similar layout to the creation of an account from the first page, if a user already has an account and clicks the “Login” button at the top right hand corner of the page, it navigates them to the login screen as shown in Figure 2.0 below. The user will login with their email and password that was used to create an account with. If a user does not fill in both fields and tries to login regardless, a message will prompt that information has not been entered in the field(s). On the chance that a user forgets their password for their login credentials, he/she may click the “Forgot your password?” and will be redirected to the page for retrieving a lost password, as seen in Figure 2.2. Once the user logs in, it will redirect them to the home page.

3.1.3 – Navigating the Home Page

The user hits the home page after the user logs in or creates an account. Once logged in, the “login” button that existed at the top of the page changes to a “logout” button. The home page shows all the cards (content) that have been already been posted. There is also a menu sidebar at the right of the screen, which the user can use to add new cards, search or filter cards by names, tags, etc. The user may interact with cards already existing on the home page or may interact with the sidebar menu.

3.1.4 – Sidebar Menu

When navigating through the sidebar menu, a user can create a new card, search or filter through cards that already exist by a certain name or tag, access user's own profile, etc. If a user decides to create a card, once they fill out each section (title, content, etc.), then the card will show up on the home page. If a user decides to search or filter through cards, they can enter whatever key words in the appropriate box, and it will filter through the cards that already exist, narrowing down what is seen on the home page. If the home page was filtered, the filters can be cleared via the sidebar menu, returning all the cards to be readily seen on the home page. A user's profile may also be accessed in this menu if a user chooses to access it this way instead of clicking on a card and accessing a profile from there.

This Sidebar is held open at a large resolution, but is toggled with an icon on the navbar at smaller resolutions.

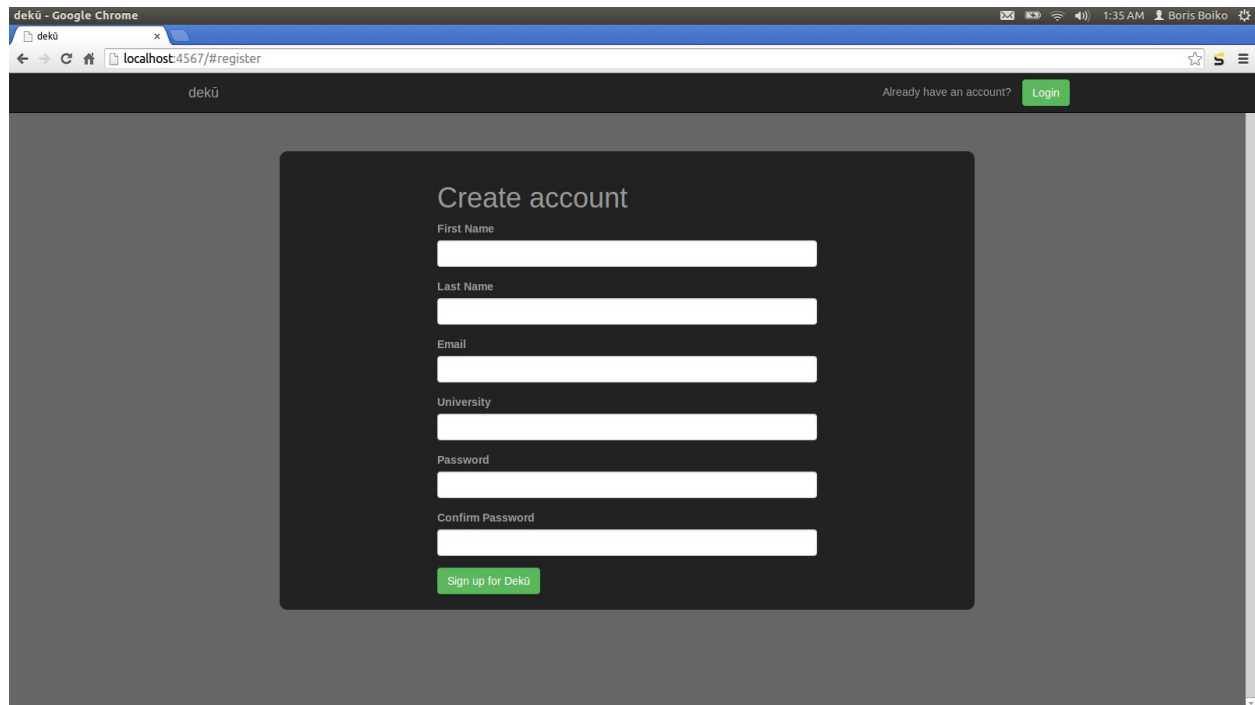
3.1.5 – User Profile

Once a user logs in, the user will have the ability to view his/her own profile as well as view other users' profiles. A user can access his/her own profile via the sidebar menu or by clicking on a card he/she created and accessing it from there. By viewing your own profile, you can update your own existing account information such as your classes taken or biography. A user may also view the profile of another user if they click on another user's card and access that user's profile from the card. A user, of course, may not modify another user's biography, but they can view information about the user (his/her graduation year, classes taken, biography).

3.1.6 – Card View

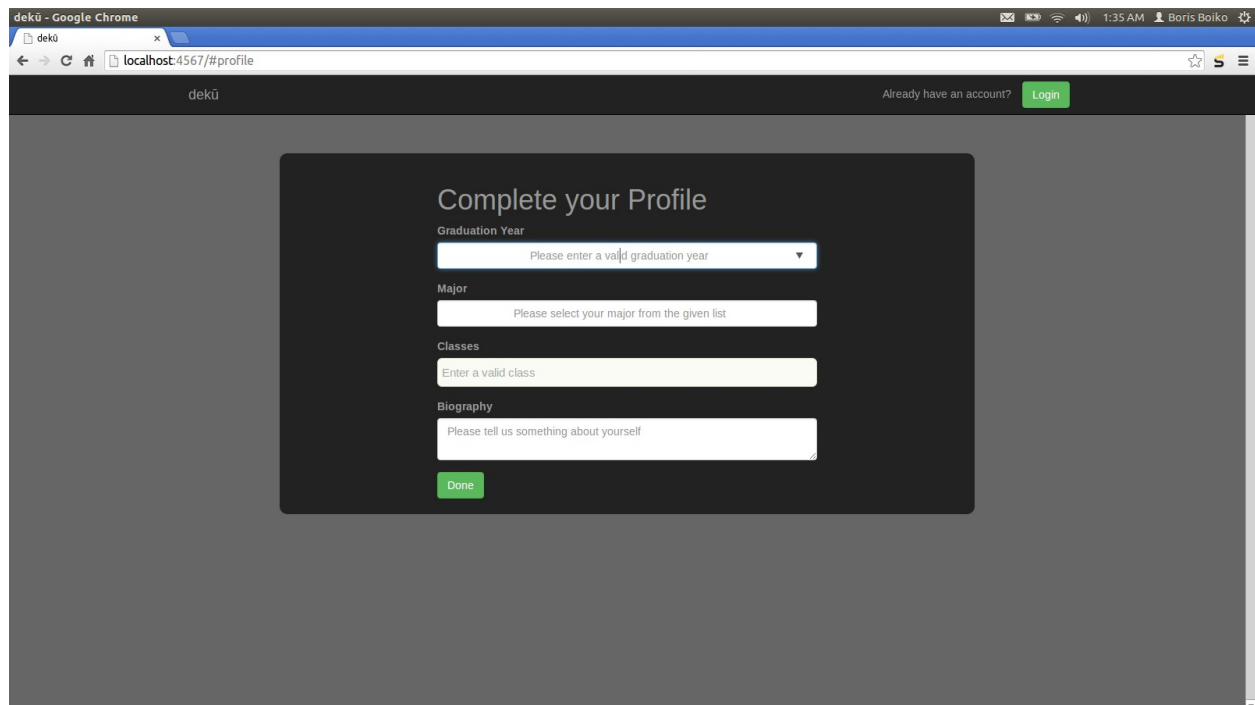
When navigating through the home page, the user will see the cards that have been posted on here. Cards can have different color coding and suit sorting based on the content of the card when it was created. The card itself when shown on the home page will show the title of the card itself along with the suit, located at the bottom of the card and a color coding at the top of the card. Also located at the bottom of each card is the user who created that card. When the card is clicked, it then flips the card over to provide more details, if any, for the card. Users can also add comments to the cards after flipping it over. When the card is still flipped over, a user may also add the card to his/her hand (favorite the card) or follow that user, assuming that the card was created by someone else. A user may also report this card as a "joker" (flagging), just like any other website. Administrators and/or moderators can review the joker and determine whether or not to remove the card. A user can exit out of the flipped card to see the cards on the homepage once again.

Figure 1.0 – Create an account



The screenshot shows a web browser window with the URL `localhost:4567/#register`. The page title is "dekü". In the top right corner, there is a link "Already have an account?" and a green "Login" button. The main content is a dark gray box titled "Create account" containing the following fields: "First Name", "Last Name", "Email", "University", "Password", and "Confirm Password". Each field has a white input box. At the bottom of the box is a green "Sign up for Dekü" button.

Figure 1.1 – Complete you profile info



The screenshot shows a web browser window with the URL `localhost:4567/#profile`. The page title is "dekü". In the top right corner, there is a link "Already have an account?" and a green "Login" button. The main content is a dark gray box titled "Complete your Profile" containing the following fields: "Graduation Year" (a dropdown menu with the placeholder text "Please enter a valid graduation year"), "Major" (a text input with the placeholder text "Please select your major from the given list"), "Classes" (a text input with the placeholder text "Enter a valid class"), and "Biography" (a text input with the placeholder text "Please tell us something about yourself"). At the bottom of the box is a green "Done" button.

Figure 2.0 – Login page

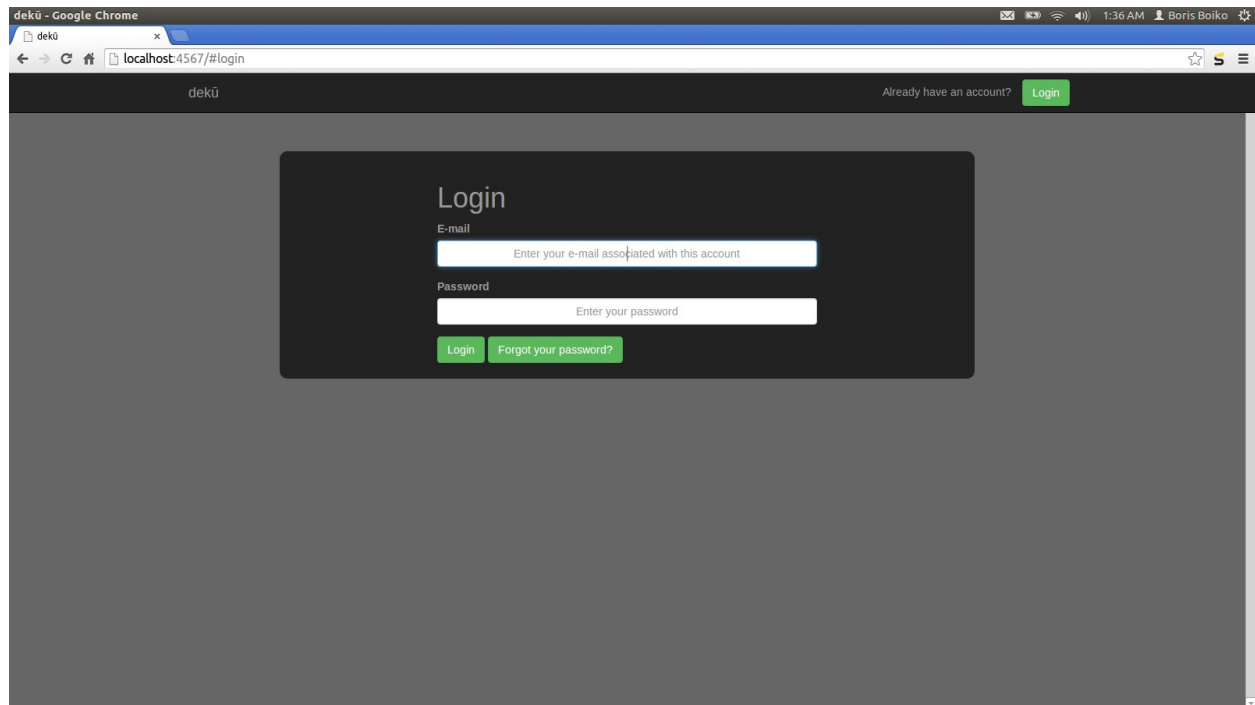


Figure 2.2 – Password reset

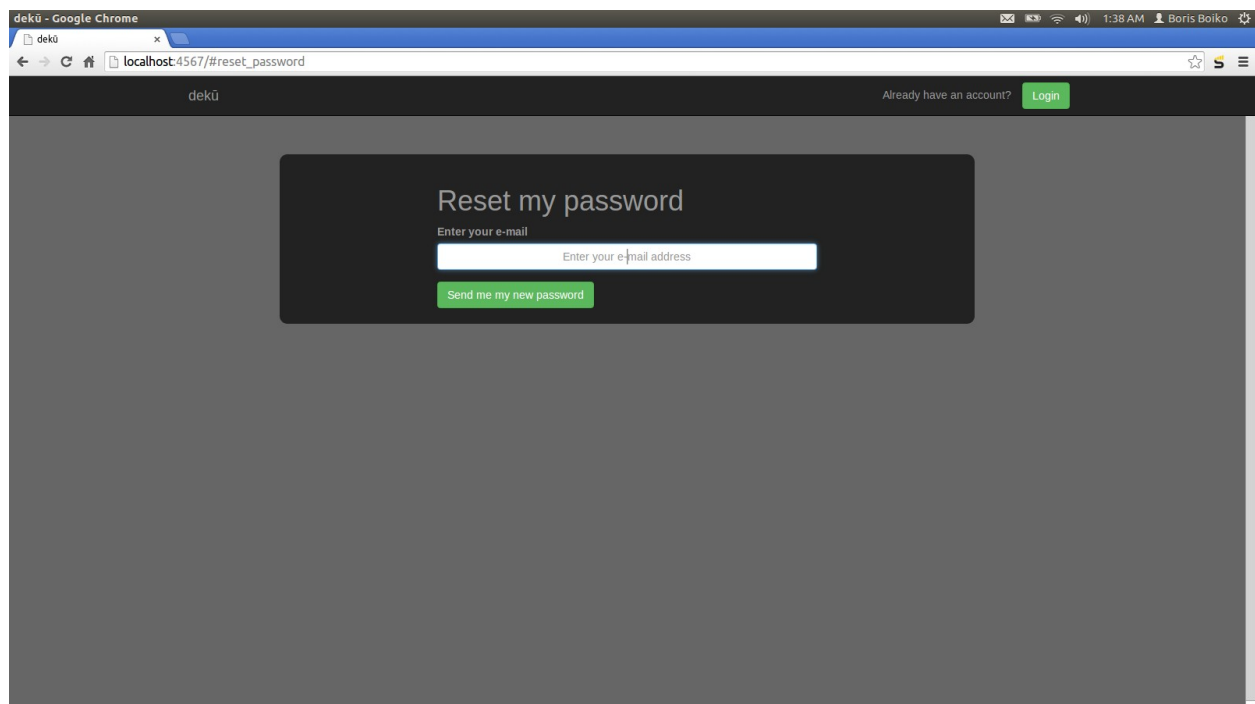


Figure 3.0 – Hand View

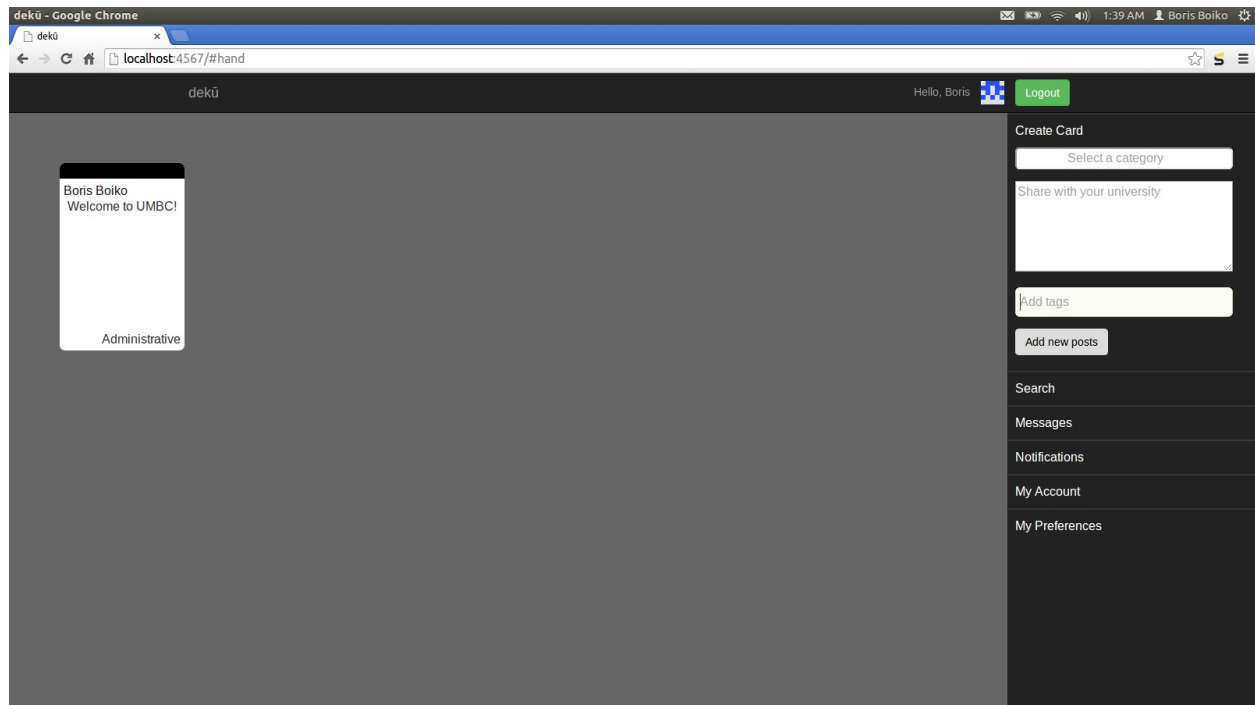


Figure 3.1 – Inspecting a Card

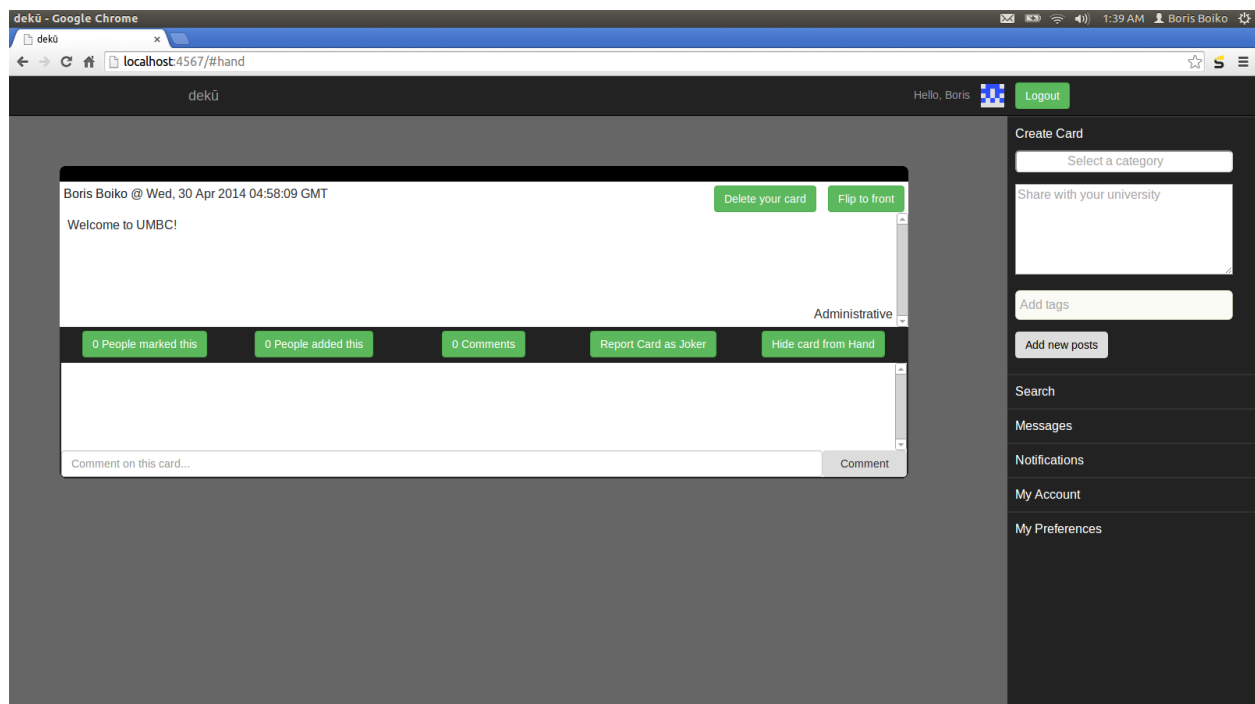


Figure 4.0 – Viewing your Profile

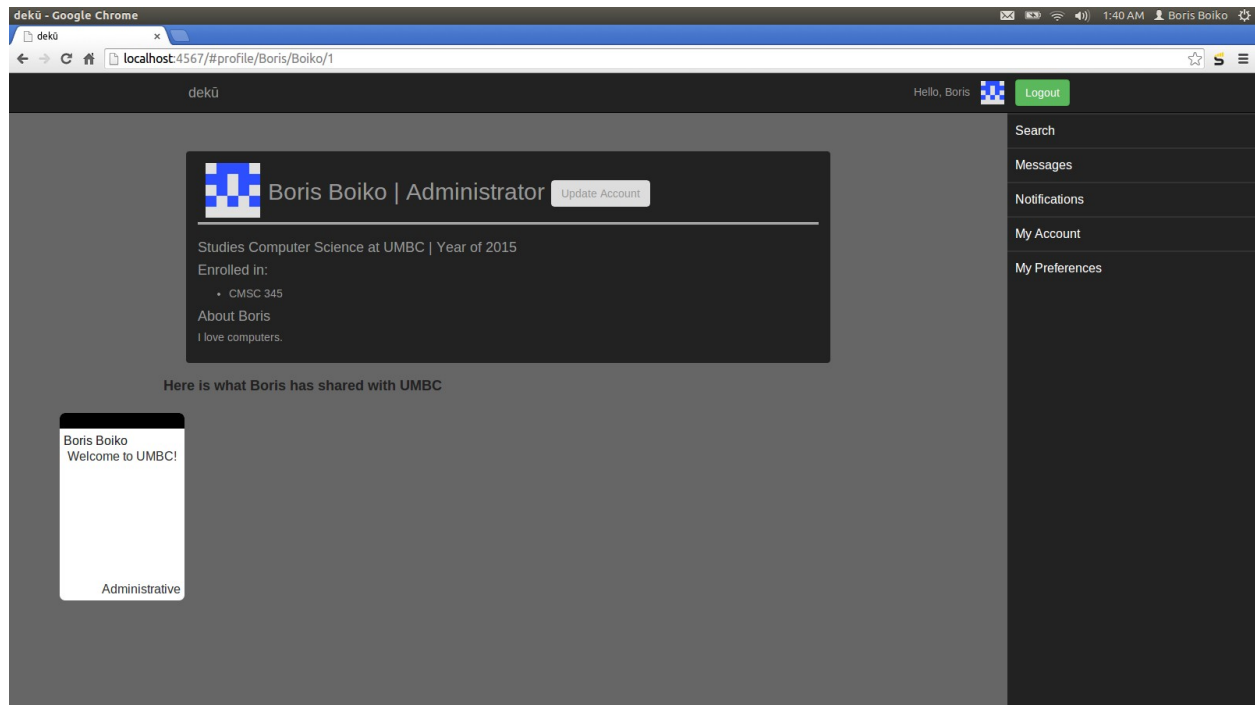
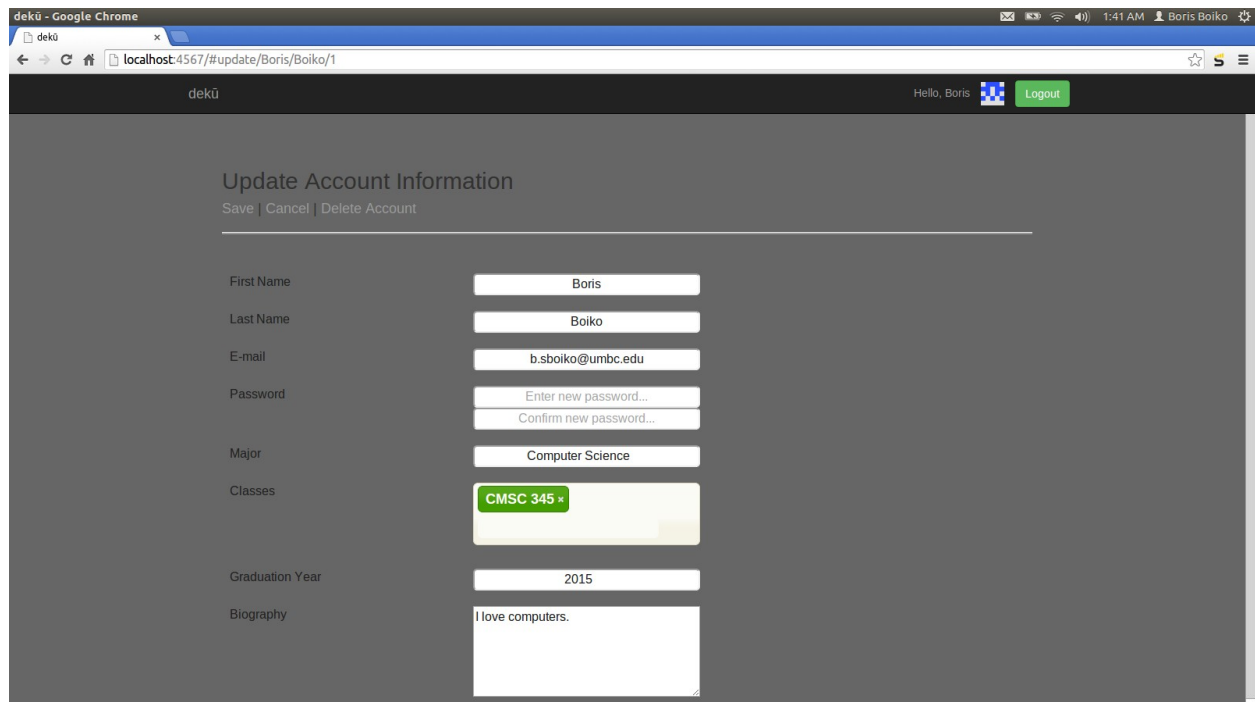


Figure 4.1 – Updating your Profile



4. Data Validation

There are multiple data entry points in the Dekū web application. Please refer to table 4.1 below for information regarding proper inputs and what the limitations of those data entry points are.

4.1 Data Validation Table

Entry Location	Data Type	Limits
Search string	String	Limited by Dekū API
Commenting on a card	String	Comments limited to 240 characters

Appendix A - Agreement Between Customer and Contractor

The customer for the dekū social content and sharing site has agreed to this site and the User Interface components, which include the graphical appearance and page layout. This document contains agreed upon site layout and navigation content.

If changes to the requirements develop in the future, this document will be amended and all parties will sign off on the document to make sure that the changes are in accordance with the wishes of the customer.

Client

Name _____ Date _____
Print

Name _____ Date _____
Signature

Team

Name _____ Date _____
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Name _____ Date _____
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Appendix B - Team Review Sign-off

This document affirms that all of the members of this team have contributed to and reviewed the material within this document. Any minor disagreements between members are listed below.

Team

Name

Print

Date

Name

Signature

Date

Comments

Name

Print

Date

Name

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Comments

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Comments

Appendix C - Document Contributions