Software Requirements Specification
for
SCraft

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1. Introduction

1.1 Purpose

SCraft allows Smith students to advertise their set of crafty skills on this website, which can be viewed by the all of smith community. They will be able to offer their services and charge a price for it on their profiles on SC craft and can earn a few extra bucks as a college student. It will make these services that Smithies with skills have to offer to the smith community more accessible and other smithies that need these services can find it readily on this website.

1.2 Intended Audience and Reading Suggestions

This is intended for smith students as it will be used by them to advertise simple/sophisticated talents they have are willing to offer to other smith students. When SCraft is expanded to other colleges or institutions, the group of people living there will be the target audience.

1.3 Product Scope

This will be a single platform for all smith students to advertise their talents and services such as graphic/logo designing, hair designing, sewing/cloth altering, website designing, photography, tutoring etc. For other students who are looking for these services, it will be easy for them to find the services they need for a cheaper price on campus than to have to go to a professional downtown for a much larger price. This will also bring smithies together and build a stronger campus community.

2. Overall Description

2.1 Product Perspective

A website will be developed to allow smith students to login using their Smith email. A Smithie who wants to advertise their skill can create a profile on SCraft with their name, email, phone number (optional), description of skills and pictures of their work posted on it. Other smithies can view these profiles and contact the Smithies with skills via email. Smithies can also use the search bar to look up Smithies with skills using name or skill description keywords.
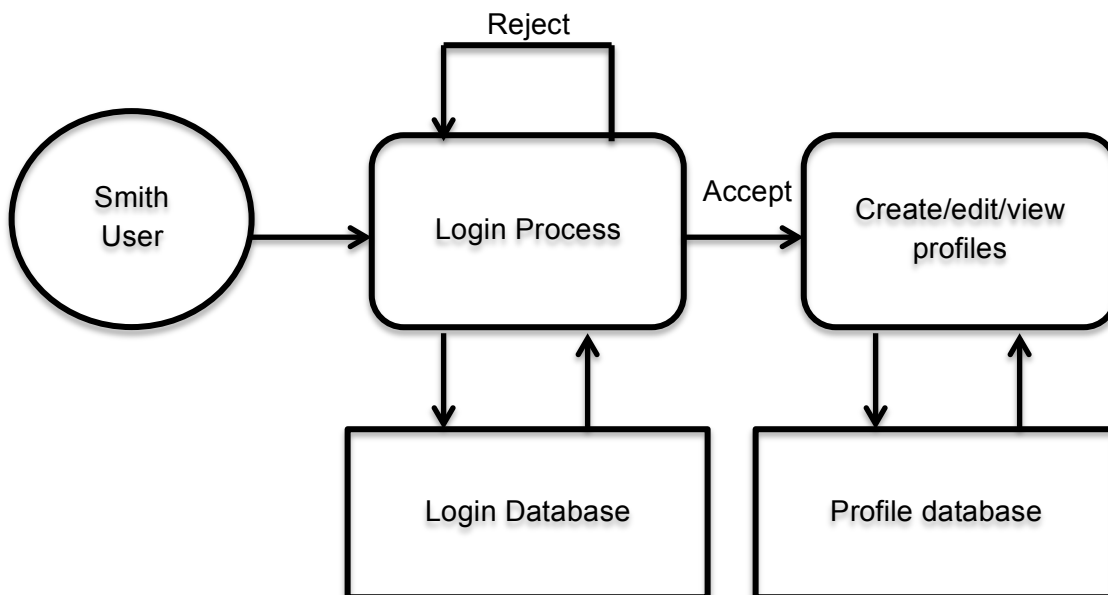
2.2 Product Functions

- Smithies can access the website using the smith emails

- Smithies can create a profile for themselves by showing off their skills with the help of photos and text.
- Other Smithies can contact Smithies with skills by visiting the list of profiles on SCraft and communicate with the Smith with skill and schedule an appointment.
- Smithies will pay and receive money for the services using their preferred method, independent to our website/app.
- Smithies can look up information using names or skill description keywords using the search bar.

2.3 User Classes and Characteristics

The program will be accessed by the developer, who a computer science major, in order to keep it up to date. In addition, fellow smith students will be able to access it when creating, viewing or editing their profiles and/or when viewing, searching or contacting other students on the website.

Reject

Smith User → Login Process → Accept → Create/edit/view profiles

Login Process ↕ Login Database

Create/edit/view profiles ↕ Profile database

2.4 Operating Environment

A user will use any kind of computer and a browser to go onto the website. To develop the website the team members will program in html and Javascript and use Netbeans and SQL for databases and information storage.

2.5 Design and Implementation Constraints

There is limited time to work on and complete the prototype. In addition, the developer has a lack of expertise with Netbeans and SQL. If the website is put on the server, there should be ways to stop attacks, hacks and unnecessary advertisements placed on the website by foreign parties.

3. External Interface Requirements

3.1 User Interfaces

We will have a login page that will allow students to access the site; in order to gain access, student must have a smith email. The database will check the email and grant or deny access depending on the validity. Once student gains access, the student will see a simplistic profile tabs layout. At the top of the page, there will be a search bar that will allow students to search the person or service they are looking for using profile names or service names. On the left there will be a create profile button, that will allow Smithies with skills to set up a new profile if they do not have one already. Smithies can click on profiles to know more about the services offered by a Smithie. If they already have a profile, clicking on their own profile will allow them to go into their profile, which will have options to edit their profiles.

Welcome to SCraft!			
Search here…			**Create new Profile**
Profile tab 1	Profile tab 2	Profile 3…	Profile…
Profile	Profile	Profile	…
…			

3.2 Software Interfaces

SCraft will connect to a database. The database will contain information about the profiles such as the name, date, service/skill, descriptions, emails and pictures. Also, it will have the user information such as their email in order to verify when accessing the site.

4. System Features

The inputs for the system will be the login information and the service information will be entered by the user in the textbox once they hit the create profile button. The output will be the homepage with profiles and search and create profile button. The system will store user login data and user profile data. The login and display of events should be done in milliseconds without any visible delay.

4.1 Profile Tabs Feature

4.1.1   Description and Priority

This feature will present a list of profile in a simple layout. This will be high priority as it is the main part of the project and the most interactive part of SCraft and allows other smithies to know more about services offer.

4.1.2   Stimulus/Response Sequences

User will view the profile, and will be able to click on them to have more information such as contact information. They will be able to use the email to contact the seller and make an appointment. When a new profile is created, it will be shown in the homepage. The list of profile shown will be random

4.1.3   Functional Requirements

The function of the profile tabs is that they are clickable and will direct to the profile page of the seller/service provider.

4.2   Search Bar and Create Button Feature

4.2.1   Description and Priority

This feature is also of high priority as the search box is where the users can search for exactly what they want and get relevant results. Create profile button will be important as it allows users to advertise their skills, which is the main goal of SCraft.

4.2.2   Stimulus/Response Sequences

User will click on the search bar and type in information about services and skills provided on campus and get relevant results. Users can click the create profile button that will pop up a few textboxes that will allow user to create a profile and put themselves on the database and show up in the search and profile tabs.

4.2.3   Functional Requirements

The search box is an input space so when clicked on it, it should let user type in the box. The create profile button next to the search bar is also clickable and signals that textboxes should be popped up so that users can provide information and get included on the homepage and the database.

5.   Other Nonfunctional Requirements

5.1 Performance Requirements

The layout will be made simplistic so that there is no delay in loading the graphics and every input and posts will be executed in milliseconds. The profile tabs will allow multiple people to click on the same profile and view the information of the seller. Likewise, the search box will allow multiple people to type in data at the same time and relevant results will be displayed to all searches.

5.2   Security Requirements

In order to access the site, log in info must be in site, otherwise denied access. Users can only add, edit, and remove their own profiles. Also, users can flag any inappropriate posts and profiles that will bring attention to the developer. The protect user data gathered on our database will be kept secure and confidential.