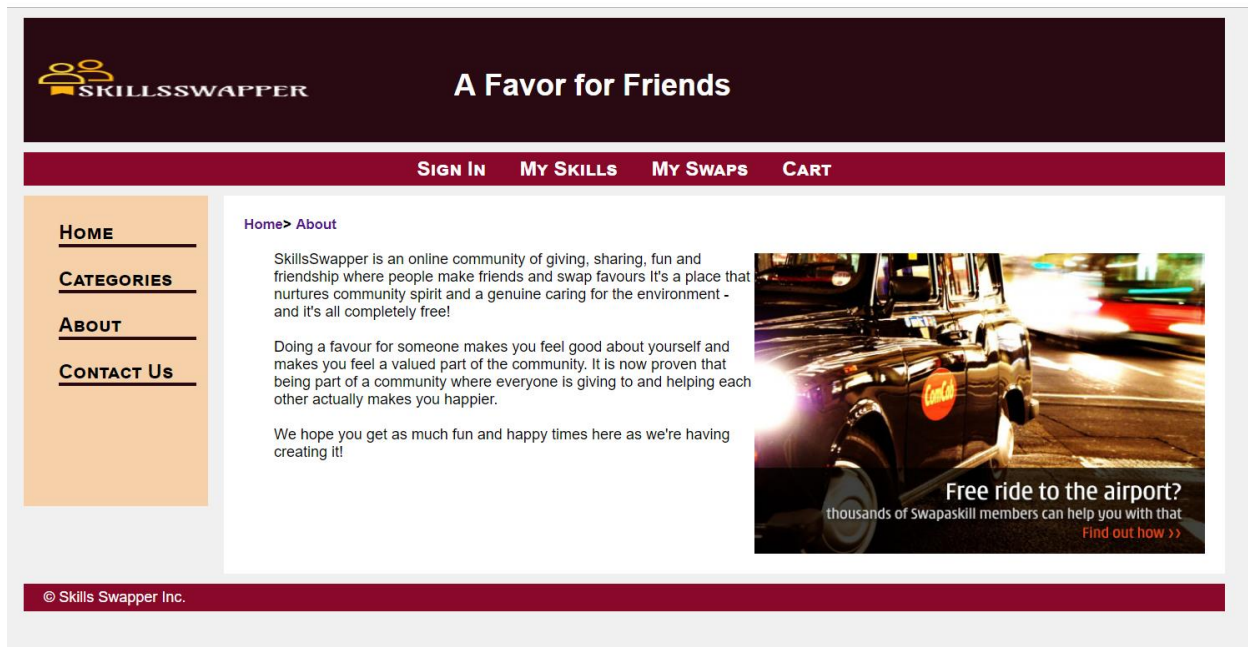# ITIS 4/5166 Network-Based Application Development Fall 2018


Overview

SkillsSwapper is a great website where you can trade in your own skills in exchange for the skills of other users. In return for painting a bedroom, designing a website, or partaking in some cat sitting for another user, you might be able to learn that skill you've always wanted to learn but didn't have the cash to fund the teaching. Upload list what your skills are as well as all the skills you're on the hunt for. If you see anyone you'd like to swap a skill with, just message them – it's as simple as that!

This will create an offer request for the skill which another user will approve if he wishes to accept that offer or reject it if he doesn't want to swap it. This application also provides user with an option of giving feedback in the form of rating to the swapped item and its owner. User can also give rating to its own available item.

The target market for the application is the common people who are willing to help others and get the help from others for free by serving their own skills to others.

Site-Map
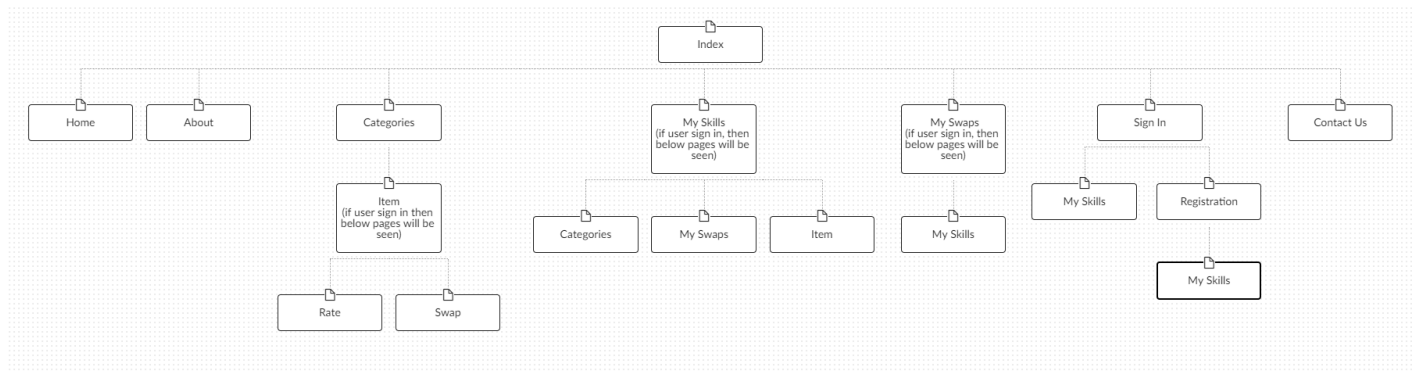
Page Design

Common Content Across Website:
Common content elements i.e. user-navigation, site-navigation, header, footer are used across the entire website.
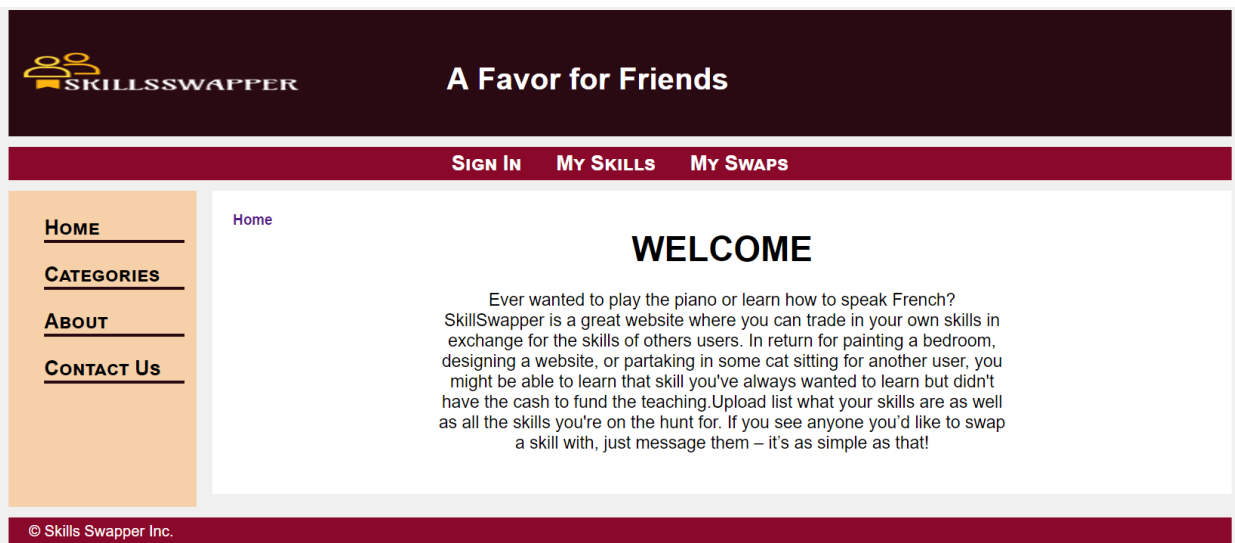
Buttons/hyperlinks present:

- **Sign In:** Navigate to the sign in page so that user can see his own skills and swap it with other skills
- **My Skills**: Navigate to the mySkills page of the registered user only. If the user is not signed in than only empty table of mySkills will be shown.
- **My Swaps**: Navigate to the mySwaps page of the registered user only. If the user is not signed in than only empty table of mySwaps will be shown.
- **Categories**: Navigate to the categories available.
- **About**: Navigate to about us page which has the descriptive information about the website
- **Contact Us**: Navigate to contact page

© Skills Swapper Inc.   **Footer**

HOME

CATEGORIES

ABOUT

CONTACT US

Site Navigation

Page 1: Home Page (index.ejs)

SKILLSSWAPPER   **A Favor for Friends**

SIGN IN   MY SKILLS   MY SWAPS

HOME

CATEGORIES

ABOUT

CONTACT US

Home

WELCOME

Ever wanted to play the piano or learn how to speak French?
SkillSwapper is a great website where you can trade in your own skills in
exchange for the skills of others users. In return for painting a bedroom,
designing a website, or partaking in some cat sitting for another user, you
might be able to learn that skill you've always wanted to learn but didn't
have the cash to fund the teaching.Upload list what your skills are as well
as all the skills you're on the hunt for. If you see anyone you'd like to swap
a skill with, just message them – it's as simple as that!
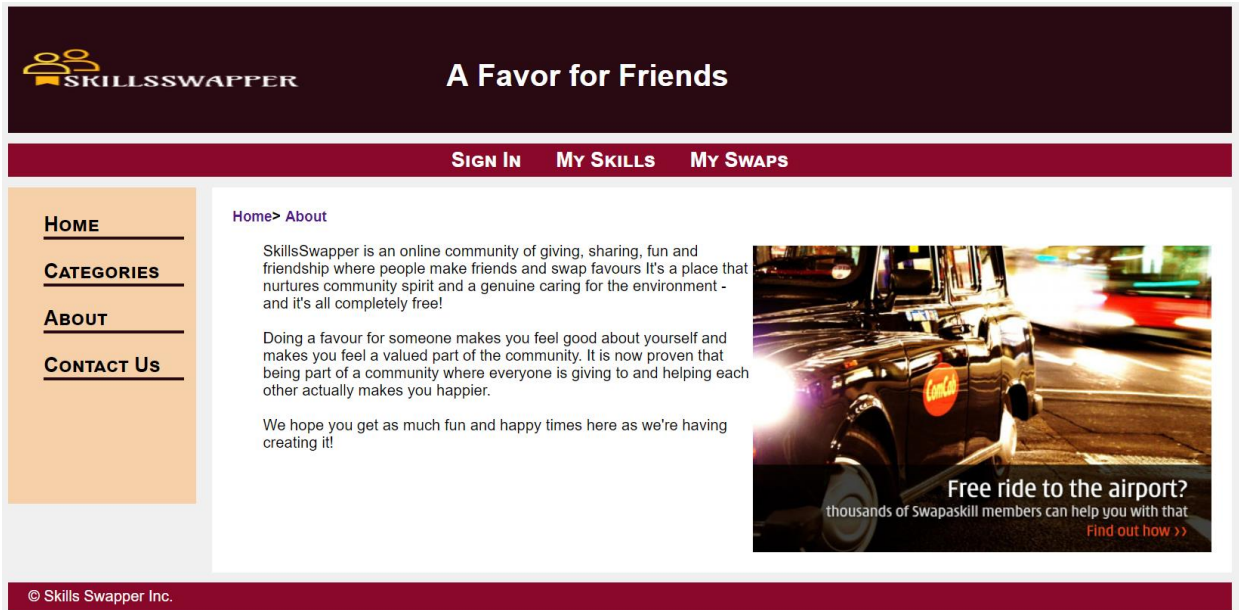
© Skills Swapper Inc.

Purpose: The main purpose of this page is to show the website information so that any general
user can learn about the website and to link it to other pages of the site
Audience: General users
Fields Present: No data fields present.
Validations: No validations used
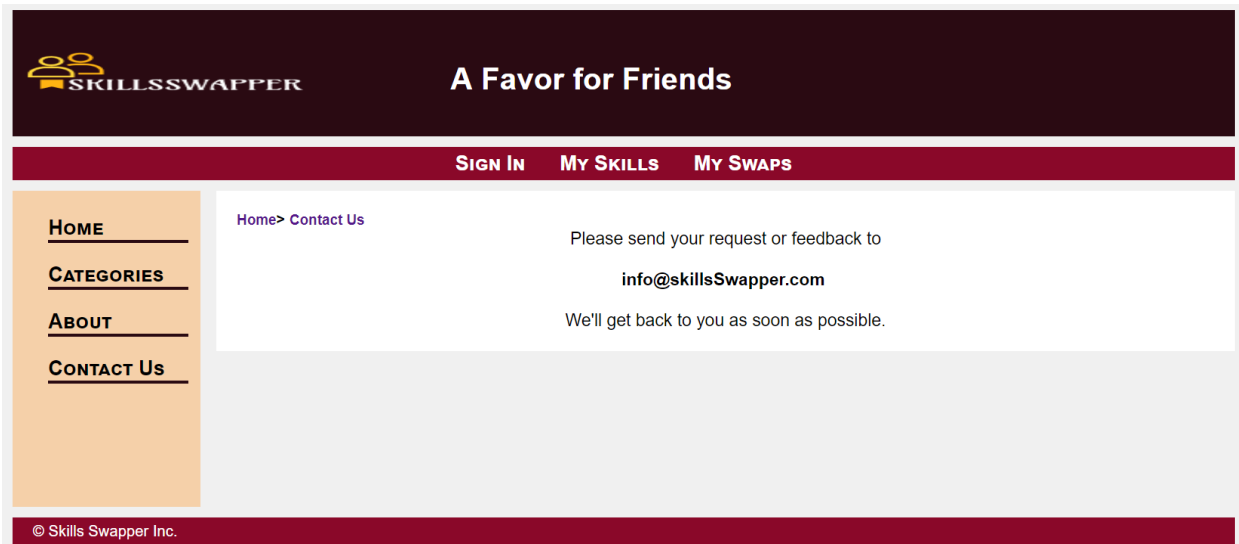**Hyperlinks present**: None

Page 2: About (about.ejs)

Purpose: The main purpose of this page is to tell about the descriptive information about the website and how it can be useful for the users.
Audience: General users
Fields Present: No data fields
Validations: No validations used
Hyperlinks present: None

Page 3: Contact Us (contact.ejs)

Purpose: The main purpose of this page is to show the contact information of the website so that users can send the request or feedback.
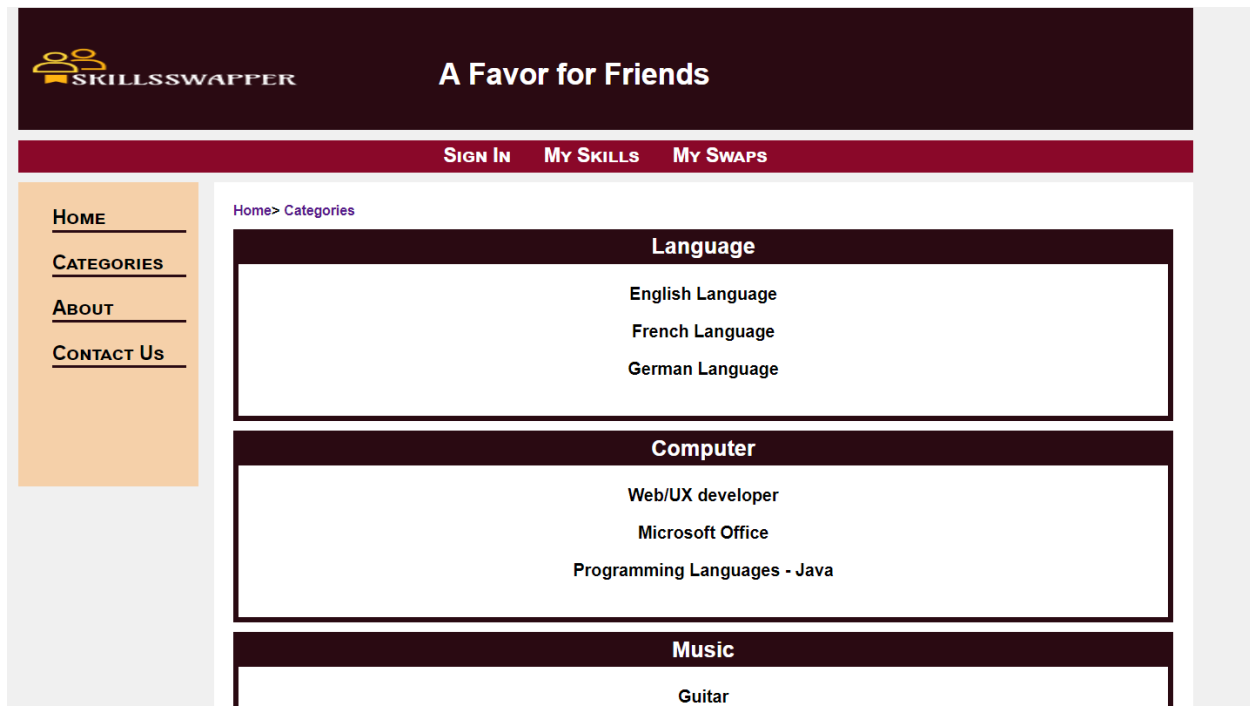**Audience**: General users
Fields Present: No data fields
Validations: No validations used
Hyperlinks present: None

Page 4: Categories (categories.ejs)

Purpose: To display the whole category catalog. Each category has some items which will be displayed as shown in above figure.
Audience: Registered/General users
Fields Present: No data fields
Validations: No validations used
Hyperlinks present:

- All the item listings present in the category and clicking upon which should display the individual item.
- If the user has not signed in, he can view the whole category catalog but cannot perform swap operation or the rate operation.
- If the user has signed in then, he can only see the items to which he can swap his own item (basically all the items which he does not own)

Page 5: Sign In (login.ejs)

Purpose: The page is created so that the registered user can sign in to hos account and can see his skills and other people skills in order to swap them. The user should provide correct email and password login to the application and view the profile of saved items.

Audience: Registered/General users

Fields Present: Email and password fields are present

Validations:

- Email Id should be valid
- Email Id and Password should match with the user present in the database.
  On failing the validation, it gives the proper error message.

Hyperlinks present:

- On Passing the validation, page should be redirected to my Skills Page.
- If it is a new user, then that user can click on the register link to create new account and can become a registered user.

Page 6: Register (registration.ejs)

Purpose: The page is created so that the general user can register into the system(website) and can serve their skills to other users.

Audience: General users
Fields Present:

- First Name
- Last Name
- Email Address
- UserId
- Password
- Address1
- Address2
- City
- State
- PostCode
- Country

Validations:

- First Name, last Name should contain alphabets
- Email Id should be valid and should not be present in the database.
- UserId should not be present in the database,
- City, state and country should contain alphabets.
- Password should be of minimum length 5.
- Postcode should be numeric and of length 5.

Hyperlinks present:

- On Passing the validations listed above, the new entry to the database is made and new user will be created, and the page will be redirected to the My Skills page.

Page 7: Item (item.ejs)

Purpose: To display item detail description, including category and average rating. **Audience**: Registered/Unregistered users

Fields Present: No data fields

Validations: No Validations

Button/Hyperlinks:

- If the user is not signed in then no buttons will be shown.
- Rate it: redirects to rate page if the user has already logged in
  It will be visible if the user wants to rate his own item with Available status or wants to rate the swapped item.
- Swap it: redirects to swap page.
  It will be visible only when the user is logged in and seeing the items of other users which he can swap.

Page 8: My Skills (myitems.ejs)

Purpose: To display the skills of the user who has signed in along with their rating, category and status information of the item(skill), so that he can either update or delete the items in the list.
Audience: Registered users
Fields Present: No data fields
Validations: No Validations
Button/Hyperlinks:

- **Update Button**:
  This button redirects the user to my swap page where he can either accept/reject the offer if the status is **Pending.**
  If the status of the item is **Available,** then this button redirects to the category page where the user can select any item which he wants to swap.
  If the status of the item is **Offered** then this button redirects to my swaps page where the user can withdraw the offer,

- **Delete Button**:
  Delete the item from the user item list and links back to My Skills Page

- **Item Hyperlinks**:
  Clicking on each item will redirect to item page where user could give rating to its own item(skill)

Page 9: My Swaps (myswaps.ejs)

Purpose: To display the offers (swapped items with the choice of accepting or rejecting) of the registered user.
Audience: Registered users
Data Fields: None
Validations: No Validations
Button/Hyperlinks:

- **Accept button/Reject Button:**

These buttons will be visible only if the status of the item is Pending i.e. user has got a swap request of his item from another user. Clicking on either of the button will redirect the user to MySkills page and the status of the item will become either swapped if user accepts it or will become available if the user rejects the offer.

- **Withdraw button**
  This button is available with the user offers his item to another user and the status of the item is swapped i.e. if a user has sent a swap request to another user. He can click on withdraw button to withdraw his request before the other user accepts/rejects his offer. This button then redirects back to My Skills page**.**

Page 10: Rating (rating.ejs)

Purpose: This page is designed so the user can rate its own item whose status is Available and can rate the swapped item and the owner of the swapped item.

Audience: Registered users

**Data Fields**: Drop down list with ratings from 1 to 5.

- If the user is viewing his own item than he will get the option of rating his own item with just one drop down list.
- If the user is seeing the item which he has already swapped than he will be shown 2 options where he can rate the item being swapped and rate the owner of the swapped item.

Validations: No Validations

Button/Hyperlinks:

- **Submit Rating Button:**
  If the user is viewing his own item, then clicking on the submit button will change the rating of the item in the database and redirects to the My Skills page.
  If the user is viewing the swapped item, then clicking on the submit button will make an entry of the rating in the feedback table and redirects to the My Skills page.

Page 11: Swap (swaps.ejs)
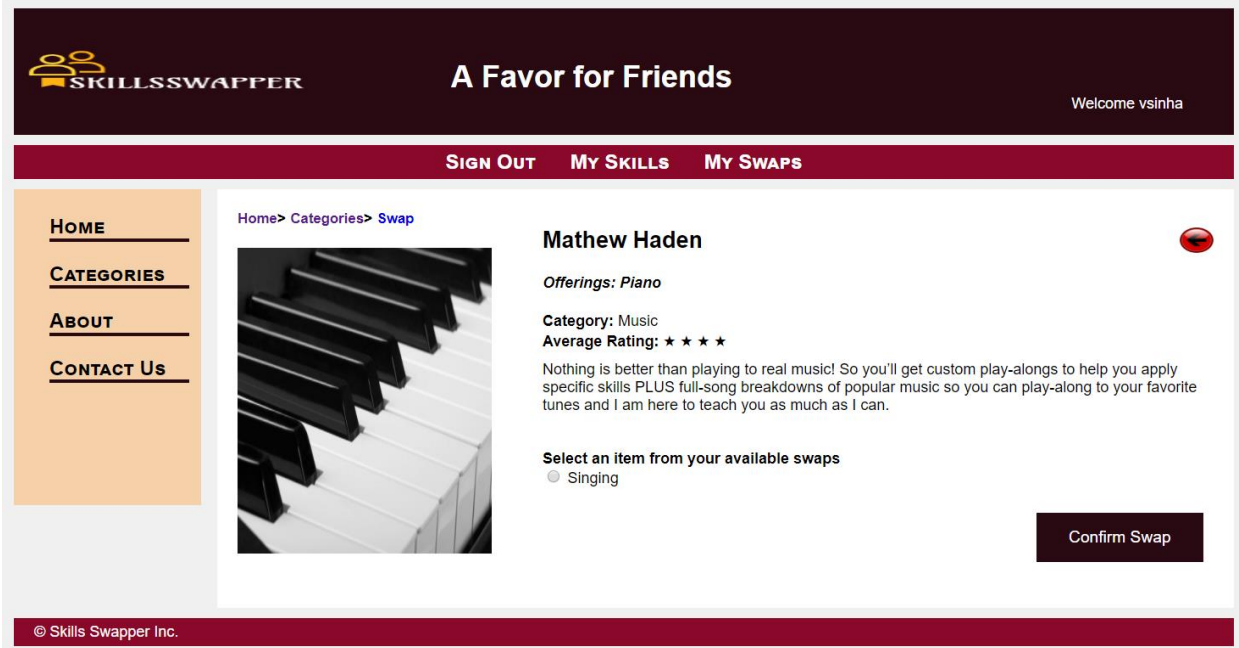
Purpose: To display the items description and show all available options i.e. registered user items with which he can swap the item being displayed.

Audience: Registered users

Data Fields: Radio button which user can select his particular item to swap the item shown in the description.

Validations: No validations

Button/Hyperlinks:

- **Confirm Swap button**- Sends the swap offer to the owner of the item and redirects to the My Skills Page with the updated status of the item.

ER Diagram

Users
- userID
- firstName
- lastName
- address1
- address2
- city
- state
- country
- postCode
- emailAddress
- password

has

give

make

Items
- itemCode
- itemName
- name
- category
- description
- rating
- imageURL
- userID
- status

Offers
- userID
- itemCodeOwn
- itemCodeWant
- itemStatus

Feedback
- offerID
- userID
- swapperID
- swappedItemCode
- swapperRating
- swappedItemRating