North South University

Department: ECE

Course: CSE115L.8

Section: 08

Project Proposal : SkinCare Routine Recommender

Submitted By:

- **NAME: Tasnia Islam Shifa**
- ID: 2513100042

- **NAME: Sagida Haque Arbi**
- ID: 2513011642

- **NAME: Tahiat Haque Bushra**
- ID: 2512049042

Submission Date: 23/03/2025

Title: SkinFit:Personalized Skincare Routine Recommender

Summary: This program makes it easy to build the perfect skincare routine based on your skin type (Oily, Dry, Combination, or Sensitive) for both day and night. You can add, update, search, or remove skincare steps, ensuring your routine stays just right. Plus, it suggests the best products and ingredients to help you take better care of your skin.

Features & Functions:

1.View (Show Skincare Routine):

Displays the morning and night skincare routine based on the selcted skin type.

Example: Enter your skin type (Oily,Dry,Combination,Sensitive):oily

Morning Routine:

1.Gel-based cleanser

2.Lightweight,oil-free moisturizer

3.Sunsceen (SPF 30+)

Night Routine:

1.Gel-based cleanser

2.Niacinamide serum

3.Oil-free night cream

2.Add (Customize Routine):

Allows users to add their own skincare steps to their routine.
Example: Enter the step you want to add (e.g. "Hydrating toner"):Hydrating toner
Added successfully!

3.Delete (Remove a Step):

Users can remove a step they don't follow anymore.
Example Enter the step number to delete: 2 (Step deleted successfully!)

4.Search (Find Specific Steps or Ingredients):

Users can search for a step or ingredient in their routine.
Example: Enter keyword to search: Sunscreen
Found in the morning routine:Sunscreen(SPF 30+)

5.Update (Modify Routine):

Users can update their routine by replacing an old step with a new one.

Example: Enter new step: Hyaluronic Acid Serum Updated successfully!

How It Works for 4 skin Types:

Oily Skin Routine:

Day: Gel cleanser→Oil-free moisturizer → Sunscreen

Night: Gel cleanser → Niacinamide serum → Lightweight night cream

Dry Skin Routine:

Day: Cream cleanser → Hydrating toner → Moisturizer → Sunscreen

Night: Cream cleanser → Hyaluronic acid → Thick night cream

Combination Skin Routine:

Day: Gentle foaming cleanser → Lightweight moisturizer → Sunscreen

Night: Foaming cleanser → Niacinamide + Hyaluronic acid → Gel-based night cream

Sensitive Skin Routine:

Day: Gentle cleanser → Soothing toner → Fragrance-free moisturizer → Sunscreen

Night: Gentle cleanser → Aloe vera gel → Fragrance-free moisturizer

This project is designed to help users create a personalized skincare routine using the c programming concepts we learned.