Assignment 03 – Teamwork Summary

Team Members:
- Brian Craciun (Member 1) | **ISU Net-ID:** bcraciun@iastate.edu
- Muhammad Blal (Member 2) | **ISU Net-ID:** mblal@iastate.edu

Note:
- During the course of this assignment 3, we communicated with our professor and TA, Jabir Karachiwala, and he approved our approach to outlining and dividing our responsibilities. Due to persistent issues with GitLab access over the weekend, we worked closely via VS Code Live Share to collaborate on the project in real time and ensure smooth completion. All communication between team members was done via Discord and phone communication.

3.1 Member-Wise Task Division

Brian Craciun – Member 1
- Focused on Browse Courses View
  - Displayed each course using Tailwind-styled responsive cards with title, description, price, rating, instructor, and image
  - Implemented "Add to Cart" button functionality
  - Added a live onChange search bar to filter by course name (completed extra credit with Member 2)
  - Included a difficulty-level filter (1-5) dropdown that dynamically filtered the course list
    - 1 - Beginner
    - 2
    - 3 - Intermediate
    - 4
    - 5 - Expert
  - Handled dynamic updates of the UI in real-time as filters and search changed

- Focused on Order Summary View
  - Displayed a full summary of the user's purchase including:
    - Course title, price, and quantity
    - User details (name, email, address)
    - Total cost with subtotal, tax (7%), and $2 processing fee
  - Designed the layout using Tailwind and ensured it matched mobile and desktop displays
  - Implemented "Continue Shopping" ("Back to Browse") button to reset the cart and state for a new session

Muhammad Blal – Member 2
- Focused on My Cart View
  - Displayed all items added to cart with:
    - Instructor name, course ID, and individual price

- Added + and − buttons for modifying quantities
- Live total recalculation on quantity changes
  - ○ Implemented a centered animated popup using Tailwind for removing items
  - ○ Provided navigation back to Browse or onward to Payment view

- ● Focused on Payment Gateway View
  - ○ Developed a complete payment form with fields for:
    - ■ Name, Email, Shipping Address, Card Number, Expiry date of credit card, and CVC of credit card
  - ○ Implemented full form validation using regex (regular expression - used to validate or search for specific sequences of characters in text) for all fields
  - ○ Displayed:
    - ■ Courses with title, price × quantity = item total
    - ■ Subtotal, tax, processing fee, and grand total
    - ■ Handled transition to Summary view and passed user details

3.2 Collaborative Tasks (Completed Together)

- ● Styling & Responsiveness
  - ○ Used TailwindCSS for all styling, ensuring clean layouts and responsiveness
  - ○ Maintained consistent UI across components using flex/grid systems, hover states, and theming

- ● Navigation and State Management
  - ○ Shared and passed cart, setCart, step, and userInfo between views
  - ○ Ensured seamless SPA ((Single Page Application) behavior using conditional view rendering in App.jsx

- ● Navbar Component
  - ○ Co-developed a persistent, responsive Navbar with:
    - ■ Navigation buttons (Browse Courses, Go to Cart, Search Courses, All Levels of Difficulty)
    - ■ Dynamic visibility of search and filter components only on the Browse view

- ● Video Walkthrough
  - ○ Recorded a joint 3-minute demo, explaining:
    - ■ How users can search, filter, browse, update cart quantities, proceed to payment, and view a receipt (confirmation order)
    - ■ Each member discussed their respective contributions

- ● Extra Credit (Successfully Completed)
  - ○ Real-Time onChange Search implemented in Browse View
  - ○ Filters the course list live as the user types, without requiring Enter or a submit button
  - ○ Enhances UX and demonstrates efficient use of React state + filtering logic
  - ○ Clearly shown in the video walkthrough