**Activity 17**

Course Name: Construction of User Interfaces

Date: November 6, 2024

Student Name: Miles Nichols

Student Email: milesn@iastate.edu

**What is a REST Application?**

REST (Representational State Transfer) is an architectural style for building APIs that allow communication between two computer systems. It relies on HTTP methods, such as GET, POST, PUT, and DELETE, to perform CRUD (Create, Read, Update, Delete) operations on resources. REST is stateless, meaning each request from client to server must contain all the information needed to understand and process the request.

**What is an API?**

An API (Application Programming Interface) is a set of rules that allows one software program to interact with another. APIs define the methods and data formats that applications can use to communicate with each other. Web APIs are commonly used to request data from a server or send data to it over HTTP. In this case, Node.js and Express are used to create a RESTful API that allows clients to retrieve or modify resources.

**Screenshots:**

.A computer screen with a white background

Description automatically generatedA screenshot of a computer

Description automatically generatedA computer screen shot of a black screen

Description automatically generatedA computer screen with a white background

Description automatically generatedA computer screen with a white screen

Description automatically generatedA screenshot of a computer

Description automatically generatedA computer screen with a white background

Description automatically generated