```yaml
# Rahil Dutta
# Created 5th November 2023
# Matriculation Number : 1360929

# PostgreSQL. Versions 9.3 and up are supported.
#
# Install the pg driver:
#   gem install pg
# On macOS with Homebrew:
#   gem install pg -- --with-pg-config=/usr/local/bin/pg_config
# On macOS with MacPorts:
#   gem install pg -- --with-pg-config=/opt/local/lib/postgresql84/bin/pg_config
# On Windows:
#   gem install pg
#       Choose the win32 build.
#       Install PostgreSQL and put its /bin directory on your path.
#
# Configure Using Gemfile
# gem 'pg'
#
default: &default
  adapter: postgresql
  encoding: unicode
  # For details on connection pooling, see Rails configuration guide
  # https://guides.rubyonrails.org/configuring.html#database-pooling
  pool: <%= ENV.fetch("RAILS_MAX_THREADS") { 5 } %>

development:
  <<: *default
  database: demo_application_uni_development

  # The specified database role being used to connect to postgres.
  # To create additional roles in postgres see `$ createuser --help`.
  # When left blank, postgres will use the default role. This is
  # the same name as the operating system user that initialized the database.
  #username: demo_application_uni

  # The password associated with the postgres role (username).
  #password:
```

```ruby
# Rahil Dutta
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class UsersController < ApplicationController
  before_action :set_user, only: %i[ show edit update destroy ]

  # GET /users or /users.json
  def index
    @users = User.all
  end

  # GET /users/1 or /users/1.json
  def show
  end

  # GET /users/new
  def new
    @user = User.new
  end

  # GET /users/1/edit
  def edit
  end

  # POST /users or /users.json
  def create
    @user = User.new(user_params)

    respond_to do |format|
      if @user.save
        format.html { redirect_to user_url(@user), notice: "User was successfully created." }
        format.json { render :show, status: :created, location: @user }
      else
        format.html { render :new, status: :unprocessable_entity }
        format.json { render json: @user.errors, status: :unprocessable_entity }
      end
    end
  end
end
```

demo-application-uni

<> _form.html.erb M ✕   <> index.html.erb M   <> show.html.erb M   🔴 routes.rb M

app > views > users > <> _form.html.erb

```erb
1  <%= form_with(model: user, local: true, html: { class: 'container'}) do |form| %>
2    <% if user.errors.any? %>
3      <div id="error_explanation">
4        <h2><%= pluralize(user.errors.count, "error") %> prohibited this user from being saved:</h2>
5
6        <ul>
7          <% user.errors.full_messages.each do |message| %>
8            <li><%= message %></li>
9          <% end %>
10       </ul>
11     </div>
12   <% end %>
13
14   <div class="mb-2 row">
15     <div class='col-sm-1'>
16       <%= form.label :name %>
17     </div>
18     <div class='col-sm-11'>
19       <%= form.text_field :name, :class => 'form-control'%>
20     </div>
21   </div>
22
23   <div class="mb-2 row">
24     <div class='col-sm-1'>
25       <%= form.label :phone_number %>
26     </div>
27     <div class='col-sm-11'>
28       <%= form.text_field :phone_number, :class => 'form-control'%>
29     </div>
30   </div>
31
32   <%= form.submit 'Submit', class: 'btn btn-primary' %>
33 <% end %>
34
35 # Rahil Dutta
36 # Created 5th November 2023
37 # Matriculation Number : 1360929
```

EXPLORER

OPEN EDITORS

DEMO-APPLICATION-UNI
- app
  - assets
  - channels
  - controllers
    - concerns
    - 🔴 application_controller.rb
    - 🔴 users_controller.rb   M
  - frontend
    - channels
    - js
      - JS bootstrap_js_files.js   U
      - packs
      - JS application.js   U
      - 🎨 application.scss   U
  - helpers
  - jobs
  - mailers
  - models
  - views
    - layouts
    - users
      - <> _form.html.erb   M
      - ≡ _user.json.jbuilder   M
      - <> edit.html.erb
      - <> index.html.erb   M
      - ≡ index.json.jbuilder
      - <> new.html.erb
      - <> show.html.erb   M
      - ≡ show.json.jbuilder

OUTLINE

TIMELINE

main*   ⊗ 0 ⚠ 0   ⚡ 0   Ln 13, Col 1   Spaces: 2   UTF-8   LF   Ruby

```ruby
config > 📕 routes.rb
1    Rails.application.routes.draw do
2      resources :users # creates the REST API routes
3      # For details on the DSL available within this file, see https://guides.rubyonrails.org/routing.html
4    end
5
6    # Rahil Dutta
7    # Created 5th November 2023
8    # Matriculation Number : 1360929
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```erb
<p id="notice"><%= notice %></p>

<div class='container'>
<p>
  <strong>Name:</strong>
  <%= @user.name %>
</p>
<p>
  <strong>Phone Number:</strong>
  <%= @user.phone_number %>
</p>


<%= link_to 'Edit', edit_user_path(@user) %> |
<%= link_to 'Back', users_path %>
</div>

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```erb
<div class='container'>
  <p id="notice"><%= notice %></p>

  <h1>Users</h1>

  <table class="table">
    <thead>
      <tr>
        <th scope="col">Name</th>
        <th scope="col">Phone Number</th>
        <th colspan="3" scope="col"></th>
      </tr>
    </thead>

    <tbody>
      <% @users.each do |user| %>
        <tr>
          <td scope='row'><%= user.name %></td>
          <td scope='row'><%= user.phone_number %></td>
          <td scope='row'><%= link_to 'Show', user %></td>
          <td scope='row'><%= link_to 'Edit', edit_user_path(user) %></td>
          <td scope='row'><%= link_to 'Destroy', user, method: :delete, data: { confirm: 'Are you sure?' } %></td>
        </tr>
      <% end %>
    </tbody>
  </table>

  <br>

  <%= link_to 'New User', new_user_path %>
</div>

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```ruby
class CreateUsers < ActiveRecord::Migration[6.0]
  def change
    create_table :users do |t|
      t.string :name
      t.string :phone_number

      t.timestamps
    end
  end
end

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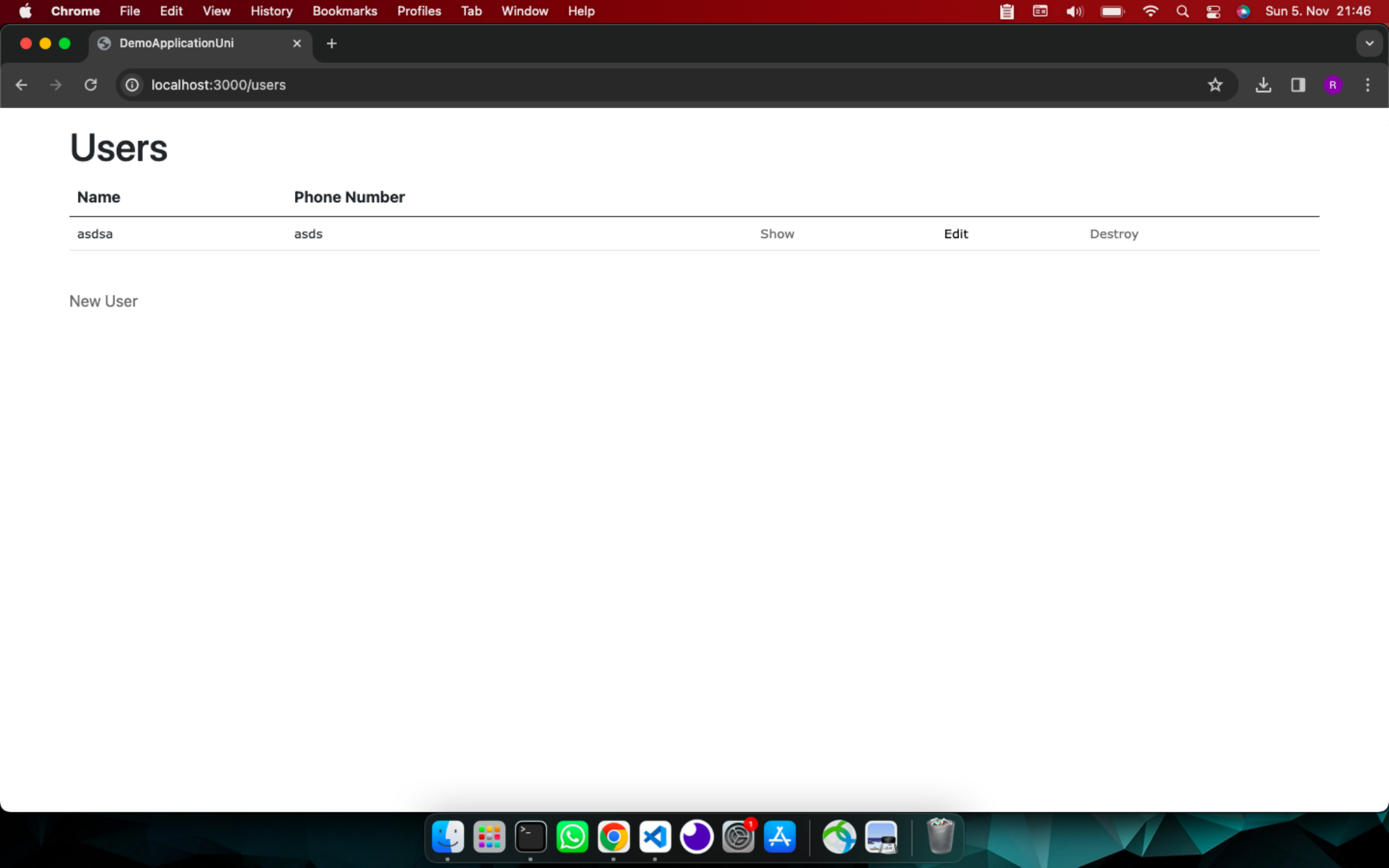
```ruby
# This file is auto-generated from the current state of the database. Instead
# of editing this file, please use the migrations feature of Active Record to
# incrementally modify your database, and then regenerate this schema definition.
#
# This file is the source Rails uses to define your schema when running `rails
# db:schema:load`. When creating a new database, `rails db:schema:load` tends to
# be faster and is potentially less error prone than running all of your
# migrations from scratch. Old migrations may fail to apply correctly if those
# migrations use external dependencies or application code.
#
# It's strongly recommended that you check this file into your version control system.

ActiveRecord::Schema.define(version: 2023_11_04_194818) do

  # These are extensions that must be enabled in order to support this database
  enable_extension "plpgsql"

  create_table "users", force: :cascade do |t|
    t.string "name"
    t.string "phone_number"
    t.datetime "created_at", precision: 6, null: false
    t.datetime "updated_at", precision: 6, null: false
  end

end
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Users

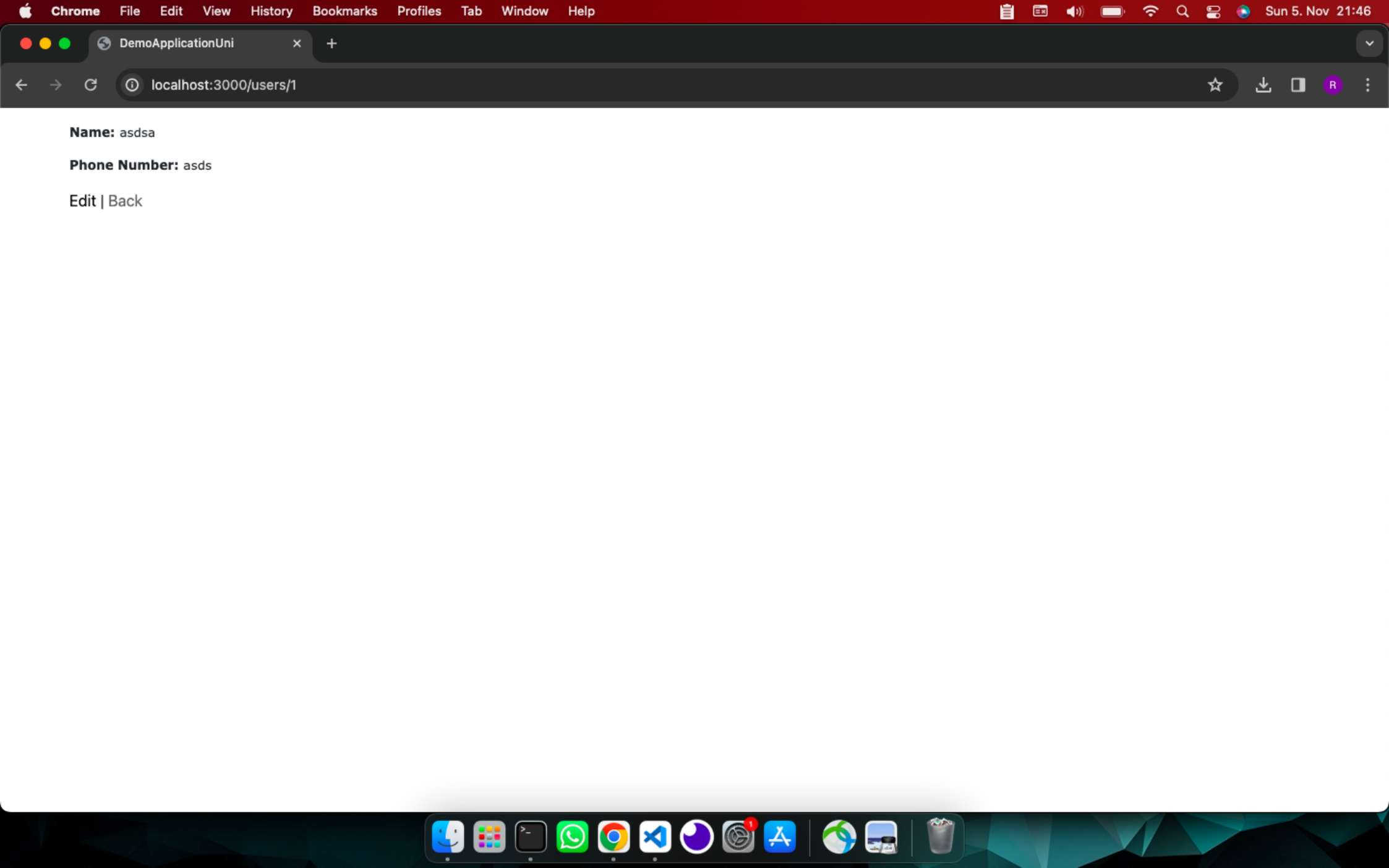| Name	Phone Number			
asdsa	asds	Show	Edit	Destroy

New User

Name: asdsa

Phone Number: asds

Edit | Back

New User

Name

Phone
number

Submit

Back