

ASSIGNMENT 5 – WEB700

Name – Kunwar Bedi

Student ID – 106681232

Date – 16 November 2025

```
/* WEB700 - Assignment 5
 * I declare that this assignment is my own work in accordance with Seneca's
 * Academic Integrity Policy:
 * https://www.senecapolytechnic.ca/about/policies/academic-integrity-policy.html
 * Name: Kunwar Bedi Student ID: 106681232 Date: 16 November 2025
 * Published URL:
 */
const express = require("express");
const path = require("path");

const app = express();
const HTTP_PORT = process.env.PORT || 8080;

// static
app.use(express.static(path.join(__dirname, "public")));

// form middleware (Assignment 5)
app.use(express.urlencoded({ extended: true }));

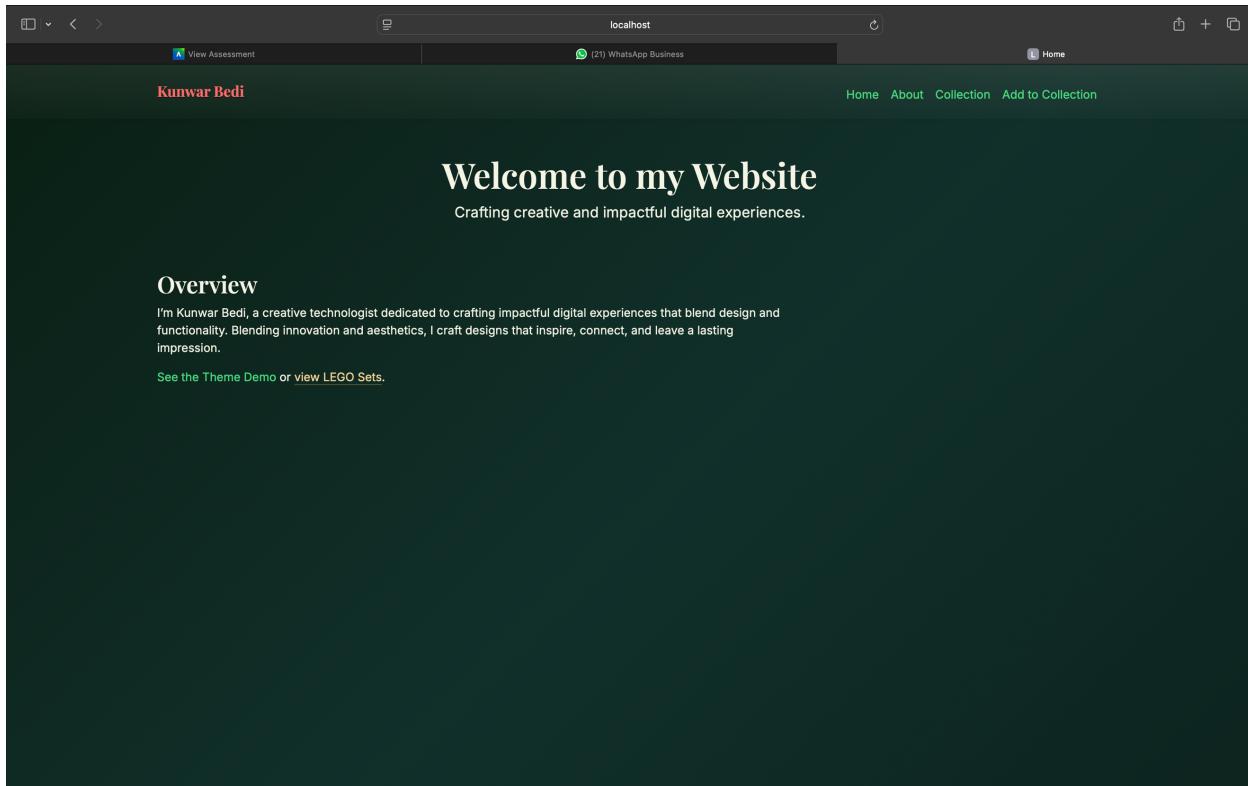
// EJS engine + views folder (Assignment 5 / Vercel-safe)
app.set("view engine", "ejs");
app.set("views", path.join(__dirname, "views"));

/* Lego data module */
const LegoData = require("./modules/legoSets");
const legodata = new LegoData();

/* HOME */
app.get("/", (req, res) => {
  res.render("home");
});

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
kunwarbedi:Assignment 5 % node server.js
Server listening on: http://localhost:8080
```

Node server.js running



Home Page

Screenshot of a web browser showing the 'About Me' page of a theme demo. The page has a dark green header with the name 'Kunwar Bedi'. Below the header, there's a section titled 'About Me' with a brief bio: 'I'm Kunwar Bedi, a creative technologist dedicated to crafting impactful digital experiences that blend design and functionality.' A 'Theme Demo' section follows, with a note that it demonstrates common HTML elements under a custom theme. There are two tables: one for LEGO sets and another for themes. Both tables use `caption`, `thead`, and `tfoot`. The first table shows sets like 'Motorized Lighthouse' and 'Millennium Falcon'. The second table shows themes like 'Star Wars' and 'Ideas'. A note at the bottom states: 'These two tables use caption, thead/tbody/tfoot, and demonstrate both rowspan and colspan as required.'

About Me

I'm Kunwar Bedi, a creative technologist dedicated to crafting impactful digital experiences that blend design and functionality.

Theme Demo

This page demonstrates common HTML elements under my custom theme, including tables, lists, images, audio and video.

Tables

Set #	Name	Year
21335	Motorized Lighthouse	2022
	Parts: 2065 (Creator Expert)	
75257	Millennium Falcon	2019
Sample data for tables		

Theme ID	Theme Name	Sets
158	Star Wars	Many
	Iconic ships & scenes	
673	Ideas	Fan-designed sets
Sample data for tables		

These two tables use `caption`, `thead`/`tbody`/`tfoot`, and demonstrate both `rowspan` and `colspan` as required.

Lists

1. Pick a LEGO theme
2. Choose a set
 - o Creator Expert
 - o Star Wars
 - o Technic
3. Check parts count
4. Build with instructions

Screenshot of a web browser showing the 'Lists' section of the theme demo. It contains an ordered list with a nested unordered list. Below the list is a note: 'This section includes an ordered list with a nested unordered list (different type), satisfying the list requirement.'

Lists

1. Pick a LEGO theme
2. Choose a set
 - o Creator Expert
 - o Star Wars
 - o Technic
3. Check parts count
4. Build with instructions
5. Display & photograph

This section includes an ordered list with a nested unordered list (different type), satisfying the list requirement.

Images



At least three images with `alt` text are provided; remote images are allowed as per the instructions.

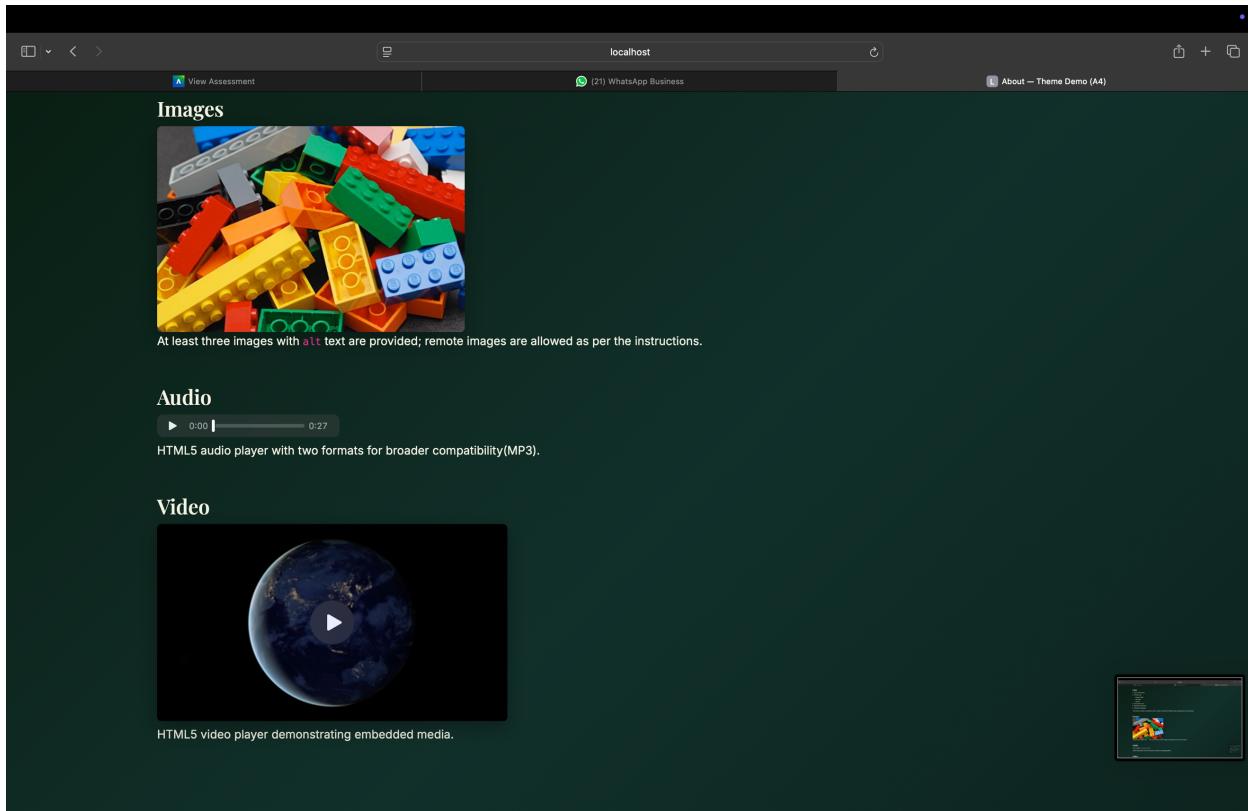
Audio

0:00 | 0:27

HTML5 audio player with two formats for broader compatibility(MP3).

Video





About Page

localhost

Kunwar Bedi

Home About Collection Add to Collection

Collection

Browse all sets, or filter by theme:

Technic Classic Town Star Wars Clear

Image	Name	Theme	Year	Parts	
	Gears	Technic	1965	43	details
	Town Mini-Figures	Classic Town	1979	12	details
	Castle 2 for 1 Bonus Offer	Lion Knights	1987	0	details
	Space Mini-Figures	Supplemental	1979	12	details

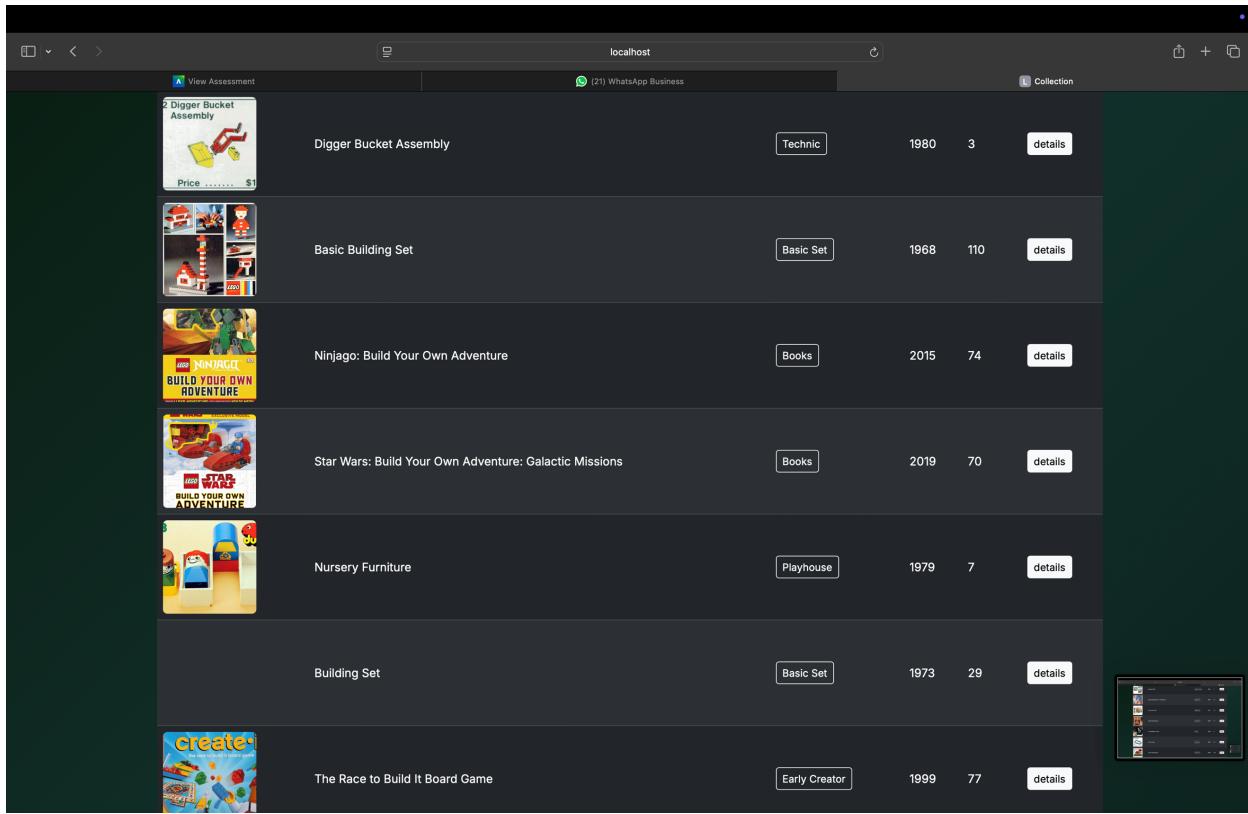
localhost

Collection

Image	Name	Theme	Year	Parts	
	Castle 2 for 1 Bonus Offer	Lion Knights	1987	0	details
	Space Mini-Figures	Supplemental	1979	12	details
	Space Mini-Figures	Supplemental	1979	12	details
	Space Mini-Figures	Supplemental	1979	2	details
	Space Mini-Figures	Supplemental	1979	18	details
	Castle Mini Figures	Classic Castle	1979	15	details
	4.5V Samsonite Gears Motor Set	Technic	1965	3	details

Image	Name	Type	Year	Count	Action
	4.5V Samsonite Gears Motor Set	Technic	1965	3	details
	Legend of Chima: Corbeaux et Gorilles	Books	2013	4	details
	Master Mechanic Set	Basic Set	1966	403	details
	Basic Building Set in Cardboard	Basic Set	1965	35	details
	Discovery Set	Basic Set	1967	0	details
	Special Offer	Classic Town	1985	0	details

Image	Name	Type	Year	Count	Action
	Special Offer	Classic Town	1985	0	details
	Basic Building Set in Cardboard	Basic Set	1965	57	details
	Pre-School Set	Basic Set	1973	18	details
	Basic Building Set	Basic Set	1968	77	details
	The Majestic Horse	Icons	2023	0	details
	Chain Links	Technic	1980	25	details
	Basic Building Set	Basic Set	1968	145	details



Collection Page

Screenshot of a web browser window showing the "Add Set" page for a LEGO collection management application.

The browser title bar shows "localhost". The address bar has two tabs: "View Assessment" and "(2) WhatsApp Business". The top right corner has icons for "Add Set", "Home", "About", "Collection", and "Add to Collection".

The main content area has a dark green header with the text "Kunwar Bedi". Below it is a section titled "Add Set" with the sub-instruction "Add a new LEGO set to the in-memory collection."

The form fields are arranged in rows:

- Set Number: An input field.
- Name: An input field.

Below these are three dropdown menus:

- Year: A dropdown menu.
- Parts: A dropdown menu.
- Theme: A dropdown menu currently set to "Technic".

There is also a "Image URL" input field.

At the bottom left are two buttons: "Add Set" (highlighted in purple) and "Back to Collection". At the bottom right is a small thumbnail image of a LEGO set.

Add To Collection Page