

## Assignment 6

Modify Assignment 2 such that

- Read/modify attributes (e.g., gallery thumbnails, data-\* attributes).
- Style updates via JS (active nav, gallery layout toggles).
- Variables, arrays/objects for packages.
- Operators & control flow for pricing logic.
- Functions for form validation, price calculation.
- Loops to render packages and gallery.

Perform following tasks:

Packages table from data (loops + functions):

- Define an array of package objects: { id, destination, durationDays, basePrice, season }.
- Render the table; add a column “Final Price” computed in JS using operators and if/switch (e.g., seasonal multiplier, weekend surcharge).

Booking price estimator (form + control flow):

- On change of dates/package, compute estimated total:
- nights = (checkOut - checkIn) (Date math)
- guests multiplier (e.g., +20% if >2)
- promoCode switch/case (e.g., “EARLYBIRD” → -10%)
- Show live total; disable submit if any required field invalid.

Gallery with attribute-driven modal (HTML attributes + CSS via JS):

- Thumbnails have data-large attribute pointing to large image.
- On click, open a modal, set <img> src from data-large, set alt/title accordingly.
- Nav highlight + scroll behavior (CSS via JS):
- Add/ remove active class on current page link.