Requirements Traceability Matrix

Project Name: Anaheim Ballet Website

Project Description: A full-stack public-facing website for Anaheim Ballet that provides information about the company, school, outreach programs, events, gallery media, and contact capabilities. The system uses a **React frontend**, **Node.js/Express REST API**, and **MySQL database**, supporting structured data storage, form submissions, and dynamic content rendering.

ID	Assoc ID	Functional Requirement	Architectural Design	Software Module(s)	Test Case Number	Comments
001	1.1.1	User can view list of upcoming events	Design Concepts – Events; Sequence Diagram	`GET /api/events, EventCard.jsx, EventDetail.jsx`	TC-101, TC-102	
002	2.2.2	User can view event details (image, date, time, location)	Detailed Solution Architecture §Flows	`GET /api/events/:id, EventDetailModal.jsx`	TC-120	
003	3.3.3	Calendar view highlights dates with performances	Design Concepts – Events Calendar	`Calendar.jsx, /api/events`	TC-130	
004	4.4.4	User can browse photo gallery with lightbox	Design Concepts – Gallery	`GET /api/gallery, MediaGrid.jsx, LightboxModal.jsx`	TC-201, TC-202	
005	5.5.5	User can read instructor bios (name, title, certifications)	Design Concepts – Instructors	`GET /api/instructors, InstructorCard.jsx`	TC-301	
006	6.6.6	User can subscribe to newsletter (email stored/validated)	Design Concepts – Newsletter	`POST /api/newsletter, NewsletterForm.jsx`	TC-401, TC-402	

007	7.7.7	User can submit contact form (message stored)	Design Concepts – Contact	`POST /api/contact, ContactForm.jsx`	TC-451, TC-452-1	
008	8.8.8	Gallery & events load fast (lazy-load, pagination)	Performance Notes	`MediaGrid.jsx` (lazy), API pagination	TC-501	