

Sprint 3 EAPLI

Turma : 2DJ

Grupo : 50

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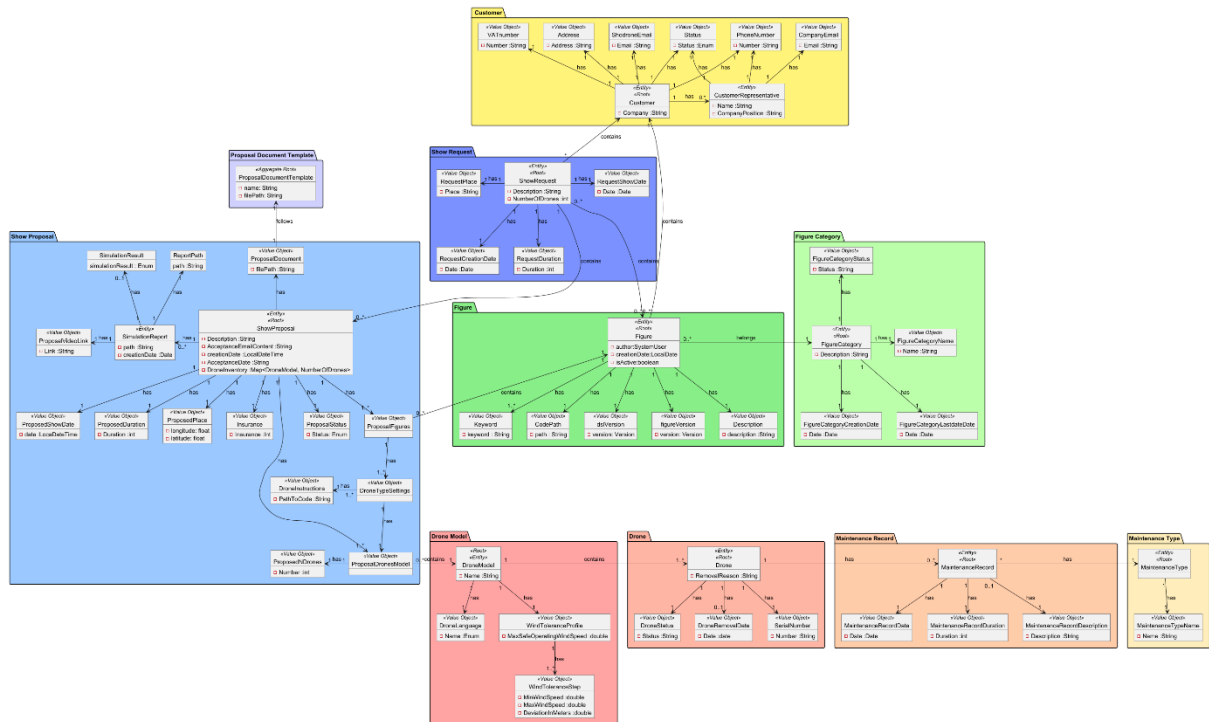
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Modelo de Domínio



Glossário de conceitos

Term (en)	Description (en)
User (System User)	A Shodrone employee with authenticated access to backoffice system functionalities, identified by a showdrone.com email.
Role	Defines a set of permissions and access rights for System Users within the backoffice (e.g., Admin, CRM Manager).
Admin	System User role with privileges for managing other backoffice users (registration, activation/deactivation).
CRM Manager	System User role for managing client company accounts (Customers), show proposal templates, and figure catalogue decommissioning.
CRM Collaborator	System User role for direct client interaction, managing show requests, and creating show proposals.
Show Designer	System User role for creating and managing drone figures, their categories, and validating their DSL descriptions.
Drone Tech	System User role for managing drone hardware (models, inventory), configuring drone programming languages, and executing show/figure simulations and tests.

Customer & Representatives	An employee or contact person of a Customer (Client Entity) who interacts with Shodrone via the Customer App. Has a name, company email, phone number, and position. Each representative is a system user for the Customer App.
Customer (Client Entity)	A European business or public organization that commissions drone shows from Shodrone.
Customer Representative	An employee or designated contact of a Customer (Client Entity) who uses the Customer App to interact with Shodrone services.
Address	The official street address of a Customer (Client Entity).
Company Email	The business email address of a Customer Representative.
Customer Status	The current classification of a Customer (Client Entity) (e.g., Regular, VIP), affecting service or priority.
Phone Number	Contact telephone number for a Customer (Client Entity) or a Customer Representative.
VAT Number	Unique European Value Added Tax identification number for a Customer (Client Entity).
Figure	A distinct visual segment of a drone show, defined by specific drone formations and movements, described using Figure DSL.
Figure Catalogue	A curated library of pre-designed and approved figures that Shodrone offers for inclusion in shows.
Figure Category	A classification (e.g., "Logos", "Animations") used to organize and manage figures within the catalogue.
Figure DSL	(Domain Specific Language) A specialized, high-level language used by Shodrone to define the visual and temporal aspects of drone figures.
Show	A complete, synchronized drone light performance, composed of a sequence of figures, designed for a specific event or client.
Show Request	An initial formal inquiry made by a Customer (Client Entity) to Shodrone for a customized drone show.
Show Proposal	A detailed offer document from Shodrone to a Customer (Client Entity) outlining a proposed drone show, including figures, costs (out of scope), and terms.
Drone	An unmanned aerial vehicle (UAV) used as an individual light point or element in a drone show.
Drone Inventory	The system's record of all available drones, including their model, serial number, and operational status.
Drone Model	Specifies a particular make and type of drone, defining its capabilities, flight characteristics, and compatibility with programming languages.
Drone Programming Language	The specific low-level language used to send operational commands to a particular drone model.
Serial Number	A unique alphanumeric identifier for an individual drone unit, used for tracking and management.
Collision	In a simulation, an event where two or more drones are detected to occupy the same elemental volume at the same time.
Elemental Volume	The smallest defined cubic unit of 3D space in the simulation grid, used for precise drone position tracking and collision detection.
Orchestrator/Maestro Server	A (conceptually) central server managing the synchronization and execution of drone routines during a full show simulation.
Shared Memory (Sprint 3 Sim.)	An Inter-Process Communication method in the advanced Sprint 3 simulation, enabling efficient data exchange between the main controller and drone processes.

Simulation Report	An output document summarizing a simulation's results, including drone status, detected collisions, and an overall safety assessment (pass/fail).
ANTLR	(ANother Tool for Language Recognition) A parser generator used to create software that can read, process, and translate structured text like the Figure DSL.
DSL Plugin	A software module designed to interpret, analyze, and validate Figure DSL scripts.
Drone Language Plugin	A software module for parsing and validating programs written in a specific drone's native programming language.
Show Proposal Plugin	A software module that uses templates to generate formatted show proposal documents for customers.
Sprint	A defined, time-boxed period during which the development team works to complete a set amount of work in the Scrum framework.
User Story (US)	A short, simple description of a feature told from the perspective of the person who desires the new capability, usually a user or customer.
Continuous Integration (CI)	An automated development practice where developers frequently merge their code changes into a central repository, followed by automated builds and tests.
Test-Driven Development (TDD)	A software development process where tests are written for new features before the features themselves are implemented.
Non-Functional Requirement (NFR)	A requirement that specifies criteria for judging the operation of a system (e.g., performance, security), rather than specific behaviors.
Backoffice Application	The main internal software system used by Shodrone staff to manage all operational aspects of the drone show business.
Customer App	A client-facing application allowing Customer Representatives to view proposals, check show schedules, and interact with Shodrone.
Customer App Server	A back-end component that facilitates communication and data exchange between the Customer App and the main Backoffice Application.
Maintenance (Drone)	Scheduled or unscheduled servicing of drones to ensure they are in optimal working condition; records of these activities are kept.
Proposal Template	A predefined structure or layout for generating show proposal documents. Can be configured by CRM Managers.

Compromisso de Honra

Declaramos que não fizemos qualquer tipo de plágio e que tudo foi feito de forma original.

Avaliação Inter-Pares

Avaliação de 0 a 5

	1210820	1221257	1221275	1221647	1231499
1210820	3	5	5	5	5
1221257	2	4	4	4	4
1221275	3	5	4	5	4
1221647	2	4	4	5	4
1231499	3	5	5	5	5