

Overview:

The client for the project specializes in serving the needs of companies in the entertainment industry. They wanted us to develop a software product to enable its customers to efficiently manage their projects. These projects are related to the development of creatives and their proliferation across nodes in their broadcast networks e.g. stations and sub-stations.

Major functionalities that needed to be incorporated were those of project creation/mapping, workflow management, role assignment and work distribution. This product is aimed at helping customers manage their ongoing and new projects effectively. Besides infusing more certainty and predictability in their execution, the intent was also to bring about more synergy amongst the participating individuals. Broadly, the product facilitates creation of a project entry by the owner, who after laying down the charter induces other participants to fulfill their responsibilities/actions in ways so as to deliver the best results with the scheduled timelines.

Client details:

Name: Confidential | **Type:** Entertainment | **Location:** US

Technologies:

JAVA, Spring Framework , Angular 10, jQuery, AWS, Database- PostgreSQL 9.4, JavaFX for Asset Sync.

Project Description:

This product is run but individuals who are assigned definitive roles. They are as follows:

Client Admin: They are the ones who are responsible for creating a Customer entry (Tenant), their Primary Station along with their Network Admin.

Tenant/Network Admin: They are the Admins of a Primary Station/ Primary hub. For a given tenant (Customer) there can be only one Primary Station with one Network Admin and that Network Admin can create multiple sub-stations.

Note: There are multiple users with varied roles created for project execution. They are Requestor, Project Manager, Designer and Station Admin. Now, a Network admin has to create these users for the Primary Station and assign it to individuals and or can map some or all of those roles to his ownself.

Requestor: They are the ones with the authority to create project entries, identify the key constituent elements and submit the details in the system.

Project Manager: Their function is to identify and assign a project manager to a project. The corresponding Project Manager is then required to identify the key “Elements” of the project and assign them to a Designer. They hold the authority to approve or decline the constituent assets that are made by the designer in response to these requests for elements.

Designer: They are the ones who work on the requirements assigned to them by Project Managers. These requirements are expressed in terms of “Elements”. To fulfill each element the designers need to develop the constituent assets. The designers can use this product to upload and seek approval of the assets they build from the corresponding Project Managers.

Station Admin: They are the ones who create or add user profiles for projects besides also creating sub-stations. They can delete projects linked to their stations.

Sub-station Admin: Sub-stations are the secondary stations, which can be many in numbers for one Tenant. Their admins have the responsibility for creating the various user profiles (i.e. Requestor, Project Manager etc.) for their corresponding sub-stations.

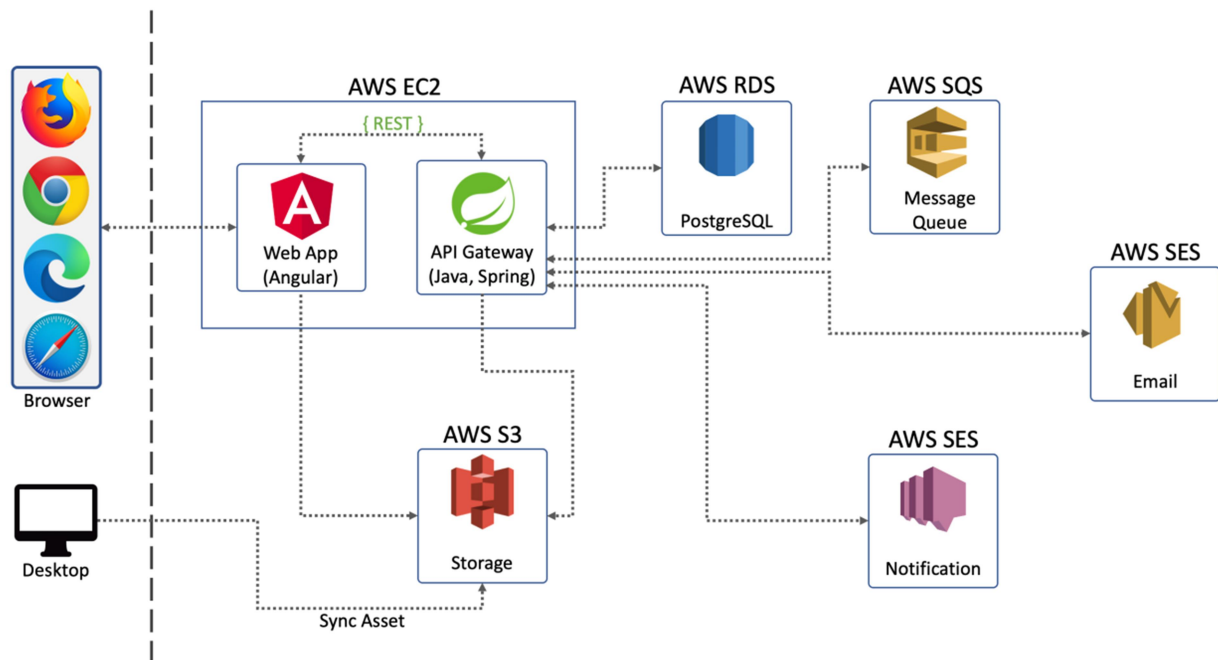
Workflow:

- Client Admin creates a Tenant Admin and shares credentials
- Tenant/Network Admin logs in and creates the user profiles and the Sub-stations
- A Requestor creates a Project (can be in a Primary or Sub-station)
 - Fills the mandatory fields
 - Adds the “Elements”
- Project Manager is assigned
 - Adds more “Elements” based on need
 - Assigns “Elements” to Designers
- Designer reviews the assigned Projects and their “Elements”
 - starts work and uploads deliverables (assets) for approval
 - reworks on those declined by project managers
- Project gets completed
- Users of sub-stations can request assets to be delivered to their local systems through the Network Admin. A special custom-developed channel facilitates this.

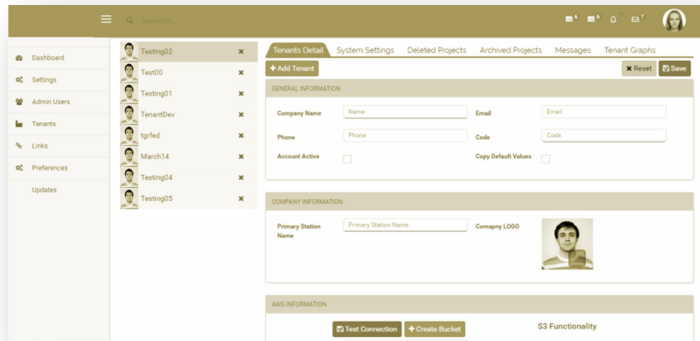
Some prominent features available in the product include

- Messaging
- Notifications
- Reports
- Search provision (based on Project, Element and Messages)
- Classification Status
 - Draft, New, Active, On hold, Closed and Complete for Projects
 - New, Pending Approval and Approved for Elements

Architecture:

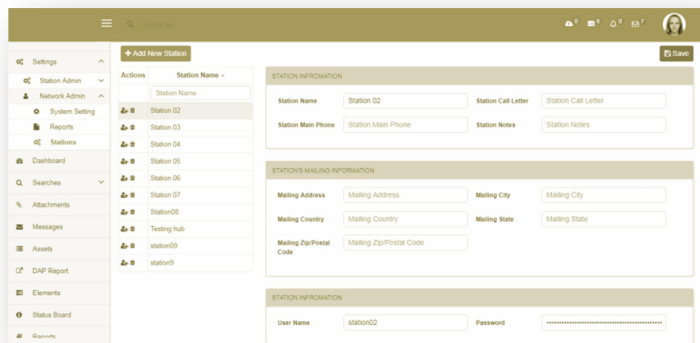


Screenshots



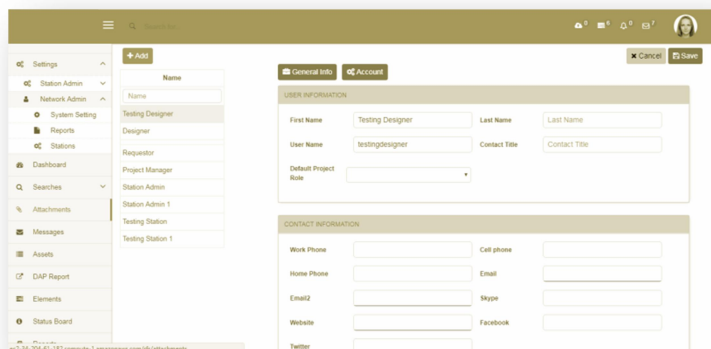
This screenshot shows the 'Add Tenant' form in the application. The left sidebar contains a menu with options like Dashboard, Settings, Admin Users, Tenants, Links, Preferences, and Updates. The main content area is titled 'Tenants Detail' and includes tabs for System Settings, Deleted Projects, Archived Projects, Messages, and Tenant Graphs. The form itself is divided into sections: 'GENERAL INFORMATION' with fields for Company Name, Email, Phone, and Code; 'COMPANY INFORMATION' with fields for Primary Station Name and Company (SBO); and 'ASSET INFORMATION' with buttons for 'Test Connection' and 'Create Bucket'. A 'Save' button is located at the top right of the form.

Screenshot 1: Adding Tenant Details



This screenshot shows the 'Add New Station' form. The left sidebar is similar to the previous one, but the 'Add New Station' button is highlighted. The main content area is titled 'Station Name' and includes a list of existing stations (Station 01 to Station 09). The form is divided into sections: 'STATION INFORMATION' with fields for Station Name, Station Call Letter, Station Main Phone, and Station Notes; 'STATION'S MAILING INFORMATION' with fields for Mailing Address, Mailing City, Mailing Country, Mailing State, and Mailing Zip/Postal Code; and 'STATION INFORMATION' with fields for User Name and Password. A 'Save' button is located at the top right of the form.

Screenshot 2: Adding a Station



This screenshot shows the 'Add User' form. The left sidebar is similar to the previous ones, but the 'Add' button is highlighted. The main content area is titled 'Add User' and includes a list of existing users (Testing Designer, Designer, Requestor, Project Manager, Station Admin 1, Testing Station 1). The form is divided into sections: 'USER INFORMATION' with fields for First Name, Last Name, User Name, and Contact Title; and 'CONTACT INFORMATION' with fields for Work Phone, Home Phone, Email, Skype, Website, and Facebook. A 'Save' button is located at the top right of the form.

Screenshot 3: Adding a User

Project Efficiency & Management



Close	Pj Num	Pj Name	Type	Category	Status	Requestor	Project Manager	Project Due	Element Approved
x	-96	13th April 2018	Project Type 1	Category 1	ACTIVE	Requestor		04/26/2018, 12:00 AM	0 of 1
x	-58	march 5	Project Type 1	Category 1	NEW	Requestor	Designer	04/26/2018, 12:00 AM	0 of 20
x	-79	WOFL 2015 News Open Updates	Project Type 1	Category 1	NEW	Testing 02		03/23/2018, 12:00 AM	0 of 3
x	-4	IGW5W/45'	Project Type 1	Category 1	NEW	Testing 02		03/23/2018, 12:00 AM	0 of 1
x	5-42	new	Project Type 1	Category 1	ACTIVE	Requestor08	Project Manager08	03/23/2018, 12:00 AM	0 of 1
x	4-70	Entertainment Show	Project Type 1	Category 1	ACTIVE	Requestor04	Project manager 04	03/23/2018, 12:00 AM	0 of 1
x	-73	Isidracof	Project Type 2	Category 4	ACTIVE	Testing 02	Testing 02	03/22/2018, 12:00 AM	0 of 1
x	4-62	Football tournament	Project Type 1	Category 1	ACTIVE	Requestor 04	Project manager 04	03/21/2018, 12:51 PM	0 of 1
x	-91	TV show 3	Project Type 1	Category 1	NEW	Requestor 03		03/21/2018, 12:00 AM	0 of 1
x	5-40	Football match	Project Type 1	Category 1	NEW	Requestor05		03/15/2018, 12:00 AM	0 of 1
x	-57	March 5	Project Type 1	Category 1	NEW	Testing 02	Project Manager01	03/08/2018, 11:00 PM	0 of 1
x	5-53	badminton tournament	Project Type 1	Category 1	ACTIVE	Requestor08	Project Manager08	03/08/2018, 11:00 PM	0 of 1
x	-55	test11	Project Type 1	Category 1	ACTIVE	Requestor	Project Manager	02/24/2018, 11:00 PM	0 of 1
x	-48	Test09	Project Type 1	Category 1	NEW	Requestor		02/22/2018, 12:00 AM	0 of 6
x	-50	Test10	Project Type 1	Category 1	NEW	Requestor		02/14/2018, 12:49 PM	0 of 1

Screenshot 4: Network

Actions	User Name	Role Type Name
✓ X	designer02	
✗	station02	
✗	designer02	project_role_type3
✗	projectmanagemgr	
✗	requestor02	
✗	stationadmin02	
✗	stationadmin1	
✗	testingdesigner	
✗	stationadmin testing	
✗	stationadmin requestor	project_role_type4

Screenshot 5: Project Manager View

General Info **Account**

USER INFORMATION

First Name: Designer002 Last Name: Last Name

User Name: designer002 Contact Title: Contact Title

Assigned Department: Department Default Project Role: Role

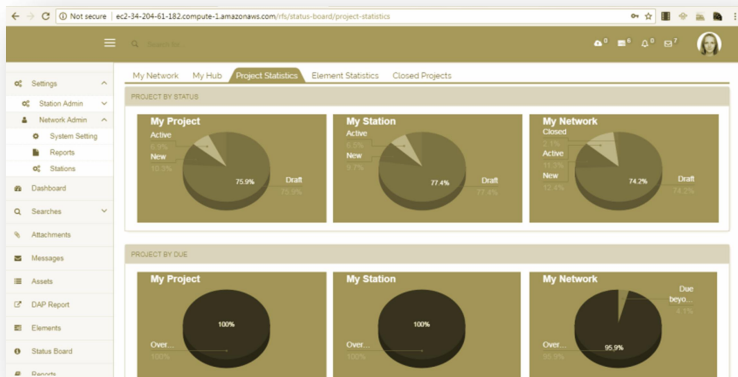
Position: Position Hourly Rate: \$ /hr

CONTACT INFORMATION

Work Phone: Cell phone: Home Phone: Email: Email2: Skype: Website: Facebook:

Screenshot 6: Station Admin View

Project Efficiency & Management



Screenshot 7: Project Statistics

The screenshot displays a table titled 'Closed Projects' with columns: Open, Pj Num, Pj Name, Type, Category, Status, Requestor, Project Manager, Project Due, and Element Approved. The table contains two rows of data.

Open	Pj Num	Pj Name	Type	Category	Status	Requestor	Project Manager	Project Due	Element Approved
[-]	54	Project Type 1	Category 1	CLOSED	Testing 02	Project Manager01	02/23/2018 01:00 AM	0 of 1	
[-]	42	Project 1	Project Type 2	Category 4	CLOSED	Testing 02		02/22/2018 03:13 PM	0 of 2

Screenshot 8: Closed Projects

The screenshot displays a table titled 'Deleted Projects' with columns: Restore, Pj Num, Pj Name, Type, Category, and Reason for Delete. The table contains no data.

Restore	Pj Num	Pj Name	Type	Category	Reason for Delete
No data found					

Screenshot 9: Deleted Projects