

Art Gallery Website

MONGODB/EXPRESS BACKEND

Items	Instances
Each document in your MongoDB (embedded or separate), with at least two keys (excluding IDs).	<ul style="list-style-type: none">• Each document has multiple keys e.g. post date, poster name, image link, art title, art type, art subject, art description, statistics (like count and review count) and reviews etc.
Each 1:M relationship in your MongoDB, embedded or separate.	<ul style="list-style-type: none">• One art post can have multiple reviews• One art type (e.g. digital, traditional) can have many art posts• One poster can create multiple art posts
Each M:N relationship in your MongoDB, embedded or separate	<ul style="list-style-type: none">• One art post can have multiple subjects (e.g. animal, nature, people)• One subject can have many art posts
Each updating of a sub-document in a document (singular, not array)	<ul style="list-style-type: none">• Updating review count for each art• Updating like count for each art
Each updating of a sub-document in an array inside a document	<ul style="list-style-type: none">• Allow users to create, update, and delete reviews.• Review dates are automatically updated upon creation and update.• Reviewer's name can be created and updated.
Each demonstration of a MongoDB <i>find()</i> technique (eg. find with \$gte, find with \$or etc.)	<ul style="list-style-type: none">• \$and – filter for a combination of art type and art subject• \$nin – return all the art post except for the current one• \$all – return all the results that contains the different art subjects

	<ul style="list-style-type: none"> • \$ or – return all the results that contains either the name of the poster or art name
Each set of CRUD endpoints your app	<ul style="list-style-type: none"> • CRUD endpoints for art posts • CRUD endpoints for reviews
Bonus: Every feature not listed above	-

REACT FRONTEND

Items	Instances
Basic Form processing for each of those component: <ul style="list-style-type: none"> • Text input • Text area • Radio button • Dropdown select single 	<ul style="list-style-type: none"> • Text input → ArtForm.js • Text area → ArtForm.js, ArtInfo.js • Radio button → ArtForm.js • Dropdown select single → App.js
Advanced Form processing for each of those component: <ul style="list-style-type: none"> • Multi-select checkbox • Multi-select dropdown 	<ul style="list-style-type: none"> • Multi-select checkbox → App.js, FilterOptions.js
Changing of CSS using React, applicable for: <ul style="list-style-type: none"> • color • font-style • display • background-color • etc. 	<ul style="list-style-type: none"> • All buttons changes background colour on hover • Positioning of art type tags • Model modal popup using css display • Background-image is set using React inline styling for hero and each art post • Font-style are customized using React • Font colours are set using React

Conditional rendering	<ul style="list-style-type: none"> • Rendering of display using state variables to close popups or switch to a different “page” • Conditional rendering of preview image in ArtForm.js
Advanced interaction/navigation techniques via React (modal pop-up, single page application, toastr etc.)	<ul style="list-style-type: none"> • Modal pop-up • Single page application
Use of state variables and binding those state variables to display or behaviour in a component (excluding form processing)	<ul style="list-style-type: none"> • Display review count • Display like count • Display reviews • Display “popups” • Display the different “pages”
Each instance of list rendering (outside of CRUD context)	<ul style="list-style-type: none"> • Render tags for art subject for each art post in App.js
Each set of CRUD	<ul style="list-style-type: none"> • CRUD for art posts • CRUD for reviews
Bonus: Every feature not listed above	<ul style="list-style-type: none"> • Bubble sort to sort art posts by most recent, most liked, and most reviewed
Bonus: Use of multiple components and props to influence the behavior of those components	<ul style="list-style-type: none"> • Class components: <ul style="list-style-type: none"> ○ App.js, ArtInfo.js, CreateArtPage.js, EditArtPage.js, EditReviewPage.js, Filteroptions.js • Function component: <ul style="list-style-type: none"> ○ ArtForm.js