

API Design Basics: Story

Task Management

Purpose

We need to track 'Task' records in order to improve both timeliness and accuracy of customer follow-up activity.

Data Properties

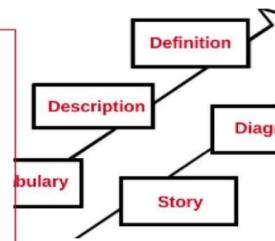
In this first pass at the application, we need to keep track of the following data properties:

- **id** : a globally unique value for each record [uuid]
- **title** : the text content of the record (the title of the task) [string]
- **description** : the description of the record (the task details) [text]
- **dueDate** : the date the record is due to be completed [date]
- **status** : Indicates the status of the record (active, completed) [enumerated string]
- **priority** : the priority of the task (a number between 1 and 5) [enumerated number]
- **assignedUser** : the user assigned to handle the task (a simple name string) [string]

Resources

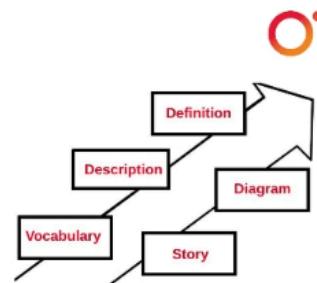
The following are resources, or states, of the API. Each state has one or more possible Actions.

- **Home** : The home or landing page of the API. Users typically start here.
 - Actions: `GetTaskList`, `GetFilteredTaskList`, `ShowHomePage`
- **TaskCollection** : The list of tasks in the system are displayed here.
 - Actions: `ShowHomePage`, `GetTaskList`, `GetFilteredTaskList`, `CreateNewTask`, `GetTaskItem`
- **TaskItem** : This resource shows a single task (selected from the TaskCollection)
 - Actions: `EditExistingTask`, `UpdateStatusOfTask`, `SetDueDateOfTask`, `AssignUserToTask`, `GetTaskList`, `GetFilteredTaskList`, `ShowHomePage`



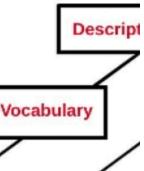
API Design Basics: Vocabulary

- All the "magic words" related to the domain
- Not just the properties:
 - id, givenName, etc.
- Also :
 - Actions (create, approve, save, etc.)
 - Enumerators (status.active, status.inactive)
 - Containers (item.id, item.givenName, etc.)
 - Resources/Topics (home, collection, item)



API Design Basics: Vocabulary

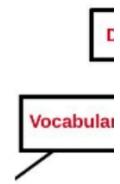
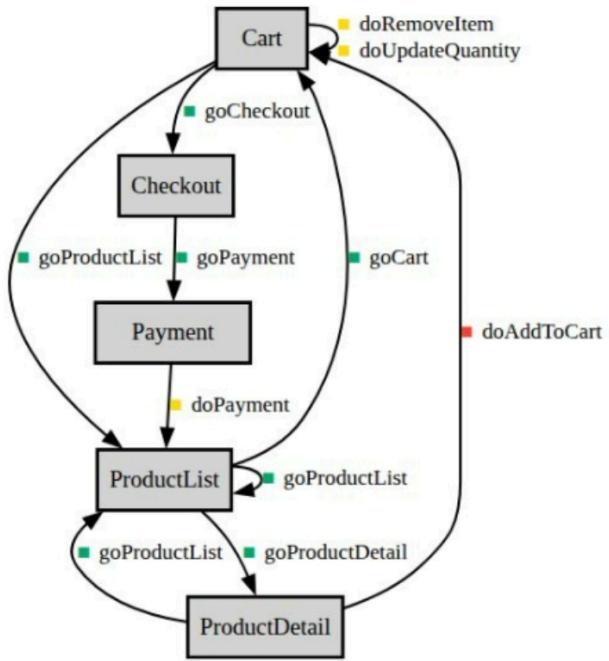
Semantic Descriptors				
Q Search semantic descriptors...				
Type	ID	Title	Contained	Extra Info
<input type="checkbox"/>	assignedUser	AssignedUser		tag: task-management doc: User assigned to the task
<input type="checkbox"/>	description	Description		tag: task-management doc: Detailed task description
<input checked="" type="checkbox"/>	doAssignUser	AssignUser	<input type="checkbox"/> id <input type="checkbox"/> assignedUser	tag: task-management rt: Taskitem doc: Required: id, assignedUser
<input checked="" type="checkbox"/>	doCreateTask	CreateTask	<input type="checkbox"/> id <input type="checkbox"/> title <input type="checkbox"/> description <input type="checkbox"/> dueDate <input type="checkbox"/> status <input type="checkbox"/> priority <input type="checkbox"/> assignedUser	tag: task-management rt: TaskCollection doc: Required: id, title, status
<input checked="" type="checkbox"/>	doEditTask	EditTask	<input type="checkbox"/> id <input type="checkbox"/> title <input type="checkbox"/> description <input type="checkbox"/> dueDate <input type="checkbox"/> status <input type="checkbox"/> priority <input type="checkbox"/> assignedUser	tag: task-management rt: Taskitem doc: Required: id, title, status
<input checked="" type="checkbox"/>	doSetDueDate	SetDueDate	<input type="checkbox"/> id <input type="checkbox"/> dueDate	tag: task-management rt: Taskitem



API Design Basics: Diagram

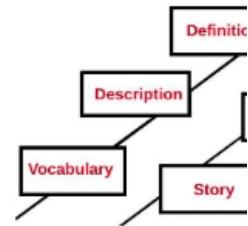
- Visual representation of the API
- Not ..
 - a state diagram
 - a flow diagram
- An *interaction* diagram

API Design Basics: Diagram



API Design Basics: Description

- Why "Descriptions"?
 - The complete design in one place, in one voice.
- Who uses descriptions?
 - Architects, Designers, Developers, Test, Security, etc.
- Time Traveling w/ descriptions
 - Options for the future, replays for the past
- Interaction-centric and Operation-centric



```
app-state-diagram
1  {
2     "$schema": "https://alps-io.github.io/schemas/alps.json",
3     "alps": {
4         "version": "1.0",
5         "title": "Task Management API",
6         "doc": {
7             "format": "text",
8             "value": "ALPS profile for managing task records including required fields."
9         },
10        "descriptor": [
11            {
12                "id": "id",
13                "type": "semantic",
14                "title": "Id",
15                "doc": {
16                    "format": "text",
17                    "value": "UUID of the task"
18                },
19                "tag": "task-management"
20            },
21            {
22                "id": "title",
23                "type": "semantic",
24                "title": "Title",
25                "doc": {
26                    "format": "text",
27                    "value": "Title of the task"
28                },
29                "tag": "task-management"
30            },
31            {
32                "id": "description",
33                "type": "semantic",
34                "title": "Description",
35                "doc": {
36                    "format": "text",
37                    "value": "Detailed task description"
38                },
39                "tag": "task-management"
40            }
41        ]
42    }
43 }
```

Task Management API

ALPS profile for managing task records including required fields on actions.

```
graph TD; Home -- goTaskList --> TaskCollection; Home -- goHome --> Home; TaskCollection -- doCreateTask --> TaskCollection; TaskCollection -- goFilteredTasks --> TaskCollection; TaskCollection -- goHome --> Home; TaskCollection -- goTaskItem --> TaskItem; TaskCollection -- goTaskList --> TaskItem; TaskItem -- doAssignUser --> TaskItem; TaskItem -- doEditTask --> TaskItem; TaskItem -- doSetDueDate --> TaskItem; TaskItem -- doUpdateStatus --> TaskItem; TaskItem -- goHome --> Home;
```

The diagram illustrates the state transitions and operations for the Task Management API. It features three main states: 'Home', 'TaskCollection', and 'TaskItem'. Transitions include 'goTaskList' from Home to TaskCollection, 'goHome' from TaskCollection back to Home, 'goTaskItem' from TaskCollection to TaskItem, and 'goTaskList' from TaskCollection to TaskItem. Operations on TaskCollection include 'doCreateTask', 'goFilteredTasks', and 'goHome'. Operations on TaskItem include 'doAssignUser', 'doEditTask', 'doSetDueDate', and 'doUpdateStatus', along with a 'goHome' transition.

API Design Basics: Definition

- API definitions translate design into implementation
- API definitions are implementation-specific
 - OpenAPI (HTTP)
 - AnsyncAPI (Event-Driven)
 - ProtoBuf (gRPC)
 - SDL (GraphQL)
- Usually API definitions power "generators"
 - Code
 - Diagrams
 - Documentation

AI Prompt Basics : Tips

- "What are my options?"
- "Do you have all you need?"
- "Ask me questions until you are confident you can perform the task."
- "What do I need to repeat this in a new conversation tomorrow?"

Authoring API Stories : Story Parts

- Purpose
- Data Properties
- Resources
- Actions
- Rules

Authoring API Stories : Story Parts

Actions

This edition of the application needs to support the following operations. Each action has zero or more input properties and always has one return value (to another state). Each action is also marked as either Safe (GET), Unsafe (POST), Idempotent (PUT/PATCH), or Delete (DELETE)

- **ShowHomePage** : Use this action to display the `home` resource
 - Inputs: None
 - Returns: **Home**
 - Type: Safe
- **GetTaskCollection** : Use this action to return a list of all Task records in the system
 - Inputs: None
 - Returns: **TaskCollection**
 - Type: Safe
- **GetTaskItem**: Use this action to get a single existing task record.
 - Inputs: id
 - Required: id
 - Returns: **TaskItem**
 - Type: Safe
- **CreateNewTask** : Use this action to add a new Task record to the system
 - Inputs: id, title, description, dueDate, status, priority, assignedUser

🔗 Rules

- When executing **CreateNewTask**, the client should supply a unique `id` value.

- Purpose
 - Sentence or two
- Data Properties
 - All data fields (`id`, `givenName`, etc.)
- Resources
 - All "resting states" (`home`, `list`, `item`)
- Actions
 - All actions (`save`, `share`, `filter`, etc.)
- Rules
 - Constraints (`id` must be unique, etc.)

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/tasks-api-story.md>

Task Management

Purpose

We need to track 'Task' records in order to improve both timeliness and accuracy of customer follow-up activity.

Data Properties

In this first pass at the application, we need to keep track of the following data properties:

- * ****id**** : a globally unique value for each record [uuid]
- * ****title**** : the text content of the record (the title of the task) [string]
- * ****description**** : the description of the record (the task details) [text]
- * ****dueDate**** : the date the record is due to be completed [date]
- * ****status**** : Indicates the status of the record (active, completed) [enumerated string]
- * ****priority**** : the priority of the task (a number between 1 and 5) [enumerated number]
- * ****assignedUser**** : the user assigned to handle the task (a simple name string) [string]

Resources

The following are resources, or states, of the API. Each state has one or more possible Actions.

- * **Home** : The home or landing page of the API. Users typically start here.
 - * Actions: **GetTaskList**, **GetFilteredTaskList**, **ShowHomePage**
- * **TaskCollection** : The list of tasks in the system are displayed here.
 - * Actions: **ShowHomePage** , **GetTaskList** , **GetFilteredTaskList** ,
CreateNewTask , **GetTaskItem**
- * **TaskItem** : This resource shows a single task (selected from the TaskCollection)
 - * Actions: **EditExistingTask** , **UpdateStatusOfTask** , **SetDueDateOfTask** ,
AssignUserToTask , **GetTaskList** , **GetFilteredTaskList** , **ShowHomePage**

Actions

This edition of the application needs to support the following operations. Each action has zero or more input properties and always has one return value (to another state). Each action is also marked as either Safe (GET), Unsafe (POST), Idempotent (PUT/PATCH), or Delete (DELETE)

- * **ShowHomePage** : Use this action to display the 'home' resource
 - * Inputs: None
 - * Returns: **Home**
 - * Type: Safe
- * **GetTaskCollection** : Use this action to return a list of all Task records in the system
 - * Inputs: None
 - * Returns: **TaskCollection**
 - * Type: Safe
- * **GetTaskItem** : Use this action to get a single existing task record.
 - * Inputs: id
 - * Required: id
 - * Returns: **TaskItem**
 - * Type: Safe
- * **CreateNewTask** : Use this action to add a new Task record to the system
 - * Inputs: id, title, description, dueDate, status, priority, assignedUser
 - * Required: id, title, status
 - * Returns: **TaskCollection**
 - * Type: Unsafe
- * **EditExistingTask** : Use this action to modify an existing Task record to the system
 - * Inputs: id, title, description, dueDate, status, priority, assignedUser
 - * Required: id, title, status
 - * Returns: **TaskItem**
 - * Type: Unsafe
- * **UpdateStatusOfTask** : Use this action to update the 'status' of a single record
 - * Inputs: id, status
 - * Required: id, status

- * Returns: **TaskItem**
- * Type: Idempotent
- * **SetDueDateOfTask** : Use this action to set the `dueDate` of a single record
- * Inputs: id, dueDate
- * Required: id, dueDate
- * Returns: **TaskItem**
- * Type: Idempotent
- * **AssignUserToTask** : Use this action to update the name of the `assignedUser` of a single record
 - * Inputs: id, assignedUser
 - * Required: id, assignedUser
 - * Returns: **TaskItem**
 - * type: Idempotent
- * **GetFilteredTaskCollection** : Use this action to filter the list of tasks by `title`, `dueDate`, `status`, `priority` and/or `assignedUser`
 - * Inputs: title, dueDate, status, priority
 - * Returns: **TaskCollection**
 - * Type: Safe

Rules

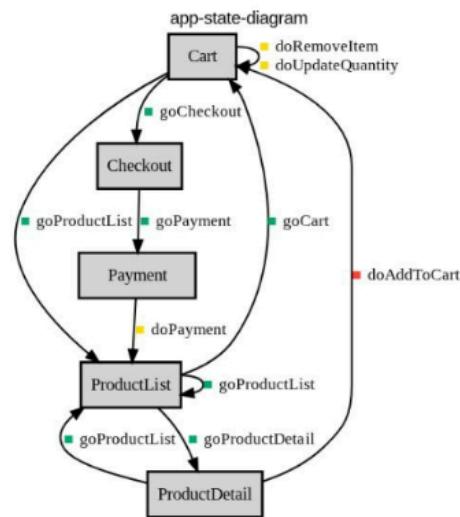
- * When executing **CreateNewTask**, the client should supply a unique `id` value.

Safe: idempotent

Generating ALPS Design Docs

Application-Level Profile Semantics

- ALPS is a format that expresses application-level meaning and structure
- Focus on Actions and Resources
- Supporting RESTful Design



slides

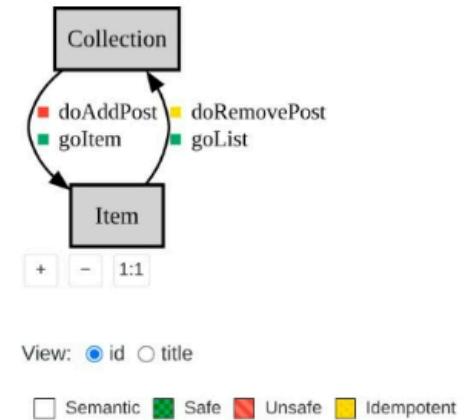


Generating ALPS Design Docs

ALPS Basics

- Establish Meaning
- Identify Resources
- Describe Actions

Blog Example





- **Establish Meaning**
- Identify Resources
- Describe Actions

```
{  
  "$schema": "https://alps-io.github.io/schemas/alps.json",  
  "alps": {  
    "title": "Blog Example",  
    "descriptor": [  
      {"id": "id", "title": "id"},  
      {"id": "articleBody", "title": "Content"},  
      {"id": "dateCreated", "title": "Creation Date"},  
      {"id": "BlogPost", "title": "Article", "descriptor": [  
        {"href": "#id"}, {"href": "#dateCreated"}, {"href": "#articleBody"}]}],  
  }  
}
```



- Establish Meaning
- **Identify Resources**
- Describe Actions

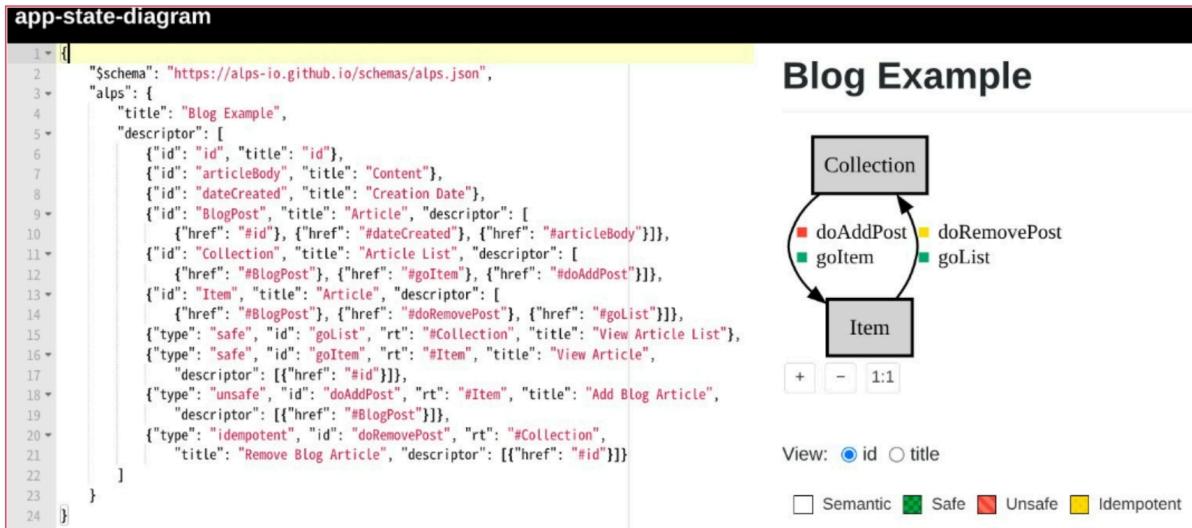
```
{"id": "Collection", "title": "Article List", "descriptor": [  
  {"href": "#BlogPost"}, {"href": "#goItem"}, {"href": "#doAddPost"}]},  
 {"id": "Item", "title": "Article", "descriptor": [  
  {"href": "#BlogPost"}, {"href": "#doRemovePost"}, {"href": "#goList"}]}},  

```



- Establish Meaning
- Identify Resources
- **Describe Actions**

```
{
  "type": "safe", "id": "goList", "rt": "#Collection", "title": "View Article List",
  {"type": "safe", "id": "goItem", "rt": "#Item", "title": "View Article",
    "descriptor": [{"href": "#id"}]},
  {"type": "unsafe", "id": "doAddPost", "rt": "#Item", "title": "Add Blog Article",
    "descriptor": [{"href": "#BlogPost"}]},
  {"type": "idempotent", "id": "doRemovePost", "rt": "#Collection",
    "title": "Remove Blog Article", "descriptor": [{"href": "#id"}]}
}
```



00-alps-design-spec.md
File

this is the ALPS design spec. remember this

To chatgpt:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/background/00-alps-design-spec.md>

Upload

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-s>

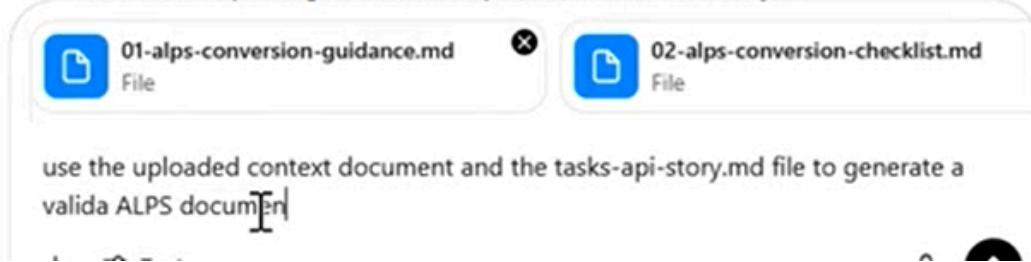
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/01-alps-conversion-guidance.md>,
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/02-alps-conversion-checklist.md>,
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/03-alps-prompt-template.md>,
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/05-alps-verification-checklist.md> and
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/tasks-api-story.md> to Chatgpt



Got it. The **ALPS Design Specification** has been read, parsed, and committed to memory for this session.

If you want to reference it, you can just say something like:

- *"Use the ALPS spec to generate a new profile from this user story..."*



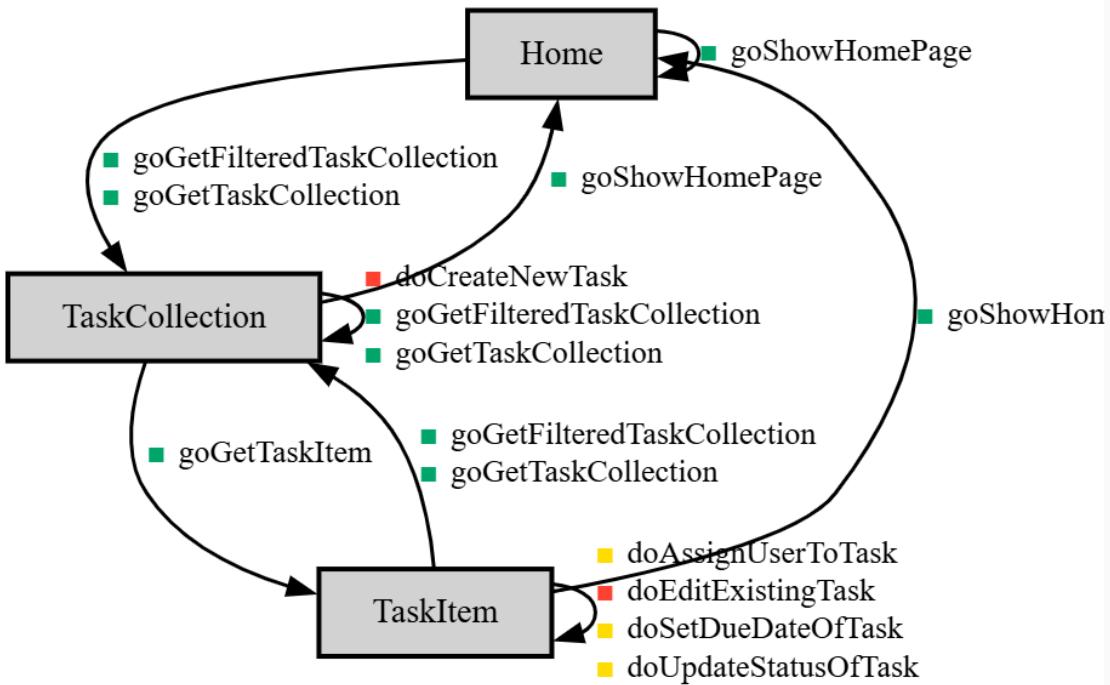
Save the json file generated.

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/01-api-stories-to-alps/tasks-alps-profile.json>

Go to editor for alps and paste the json

<https://editor.app-state-diagram.com/?i=1>

ALPS



Generating API Documentation

What are Docs?

- Design Document
 - Intentions, scope, capabilities
- Implementation Plan
 - Inputs, outputs, states, protocols
- Operational Guide
 - Deployment, dependencies, monitoring, etc

Slides

Generating API Documentation

Basic elements of API documentation

- Purpose
 - Short statement
- Data Properties
 - Name, type, description
- Resource States
 - Name, contents, links
- Action Transitions
 - Inputs, protocol details, outputs (states)
- Metadata
 - Errors, limits, security, etc.

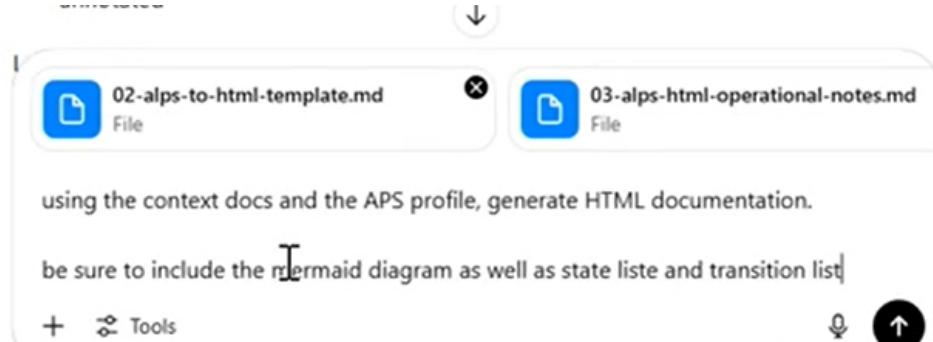
Upload:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/02-alps-to-html/01-alps-to-html-step-by-step.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/02-alps-to-html/02-alps-to-html-template.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/02-alps-to-html/03-alps-html-operational-notes.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/background/tasks-alps-profile.json>



o/p:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/02-alps-to-html/tasks-alps-doc.html>

Generating OpenAPI docs:

Generating Open API Documents

Why Open API

- The OpenAPI Specifications provide a formal standard for describing HTTP APIs.
- Common way to describe implementations
- Common platform for tooling
- Shared practice for building



Generating Open API Documents

Open API Basics



- Basic Info
- Component Section
- Paths Section

```
1  openapi: 3.0.0
2  info:
3    version: '1.0'
4    title: Person API
5    description: An example API for the "Designing APIs with OpenAPI" workshop
6  servers:
7    # Added by API Auto Mocking Plugin
8    - description: SwaggerHub API Auto Mocking
9      url: https://virtserver.swaggerhub.com/amundsen/Person-API/1.0
10
11 paths: {}
12 components: {}
```

Slides



Generating Open API Documents

Open API Basics



- Basic Info
- Component Section
- Paths Section

```
PersonItem:
  type: object
  properties:
    id:
      responses:
        GenericError:
          description: ""
          content:
            application/
              schema:
                $ref: "#/components/schemas/PersonItem"
    nameParam:
      name: name
      in: query
      description:
      required:
      schema:
        type: string
        example: "Morton Muffley"
    name:
      type: string
      description:
      example: "Morton Muffley"
    email:
      type: string
      description: "Default email for "
      example: "morton.muffley@example.com"
  PersonCollection:
    type: array
    items:
      $ref: '#/components/schemas/PersonItem'
```

```
requestBodies:
  AddPerson:
    description: "body for a new Person record"
    required: true
    content:
      application/json:
        schema:
          $ref: "#/components/schemas/PersonItem"
      application/x-www-form-urlencoded:
        schema:
          $ref: "#/components/schemas/PersonItem"
```

70

Generating Open API Documents

Open API Basics

- Basic Info
- Component Section
- **Paths Section**

```
### work in progress record ####
/wip/{identifier}:
get:
  operationId: wipItem
  summary: Use this to return a single onboarding record
  tags:
    - onboarding

  parameters:
    - $ref: "#/components/parameters/identifier"
    - $ref: "#/components/parameters/eTag"

  responses:
    '200':
      $ref: "#/components/responses/reply"

  default:
    $ref: "#/components/responses/error"
```

Upload:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/03-alps-to-open-api/01-alps-to-openapi-guidance-updated.md>
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/03-alps-to-open-api/02-alps-to-openapi-checklist-updated.md>
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/03-alps-to-open-api/99-alps-to-openapi-system-prompt.md>
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/03-alps-to-open-api/03-alps-to-openapi-metadata.yaml>
<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/background/tasks-alps-profile.json>

Use these and generate the openapi document

o/p:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/03-alps-to-open-api/tasks-openapi.yaml>

<https://app.swaggerhub.com/payal2/home>

: create new -> Import and document API

Generating Prototype code:

Upload

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/01-api-template-notes-v2.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/02-api-checklist-v2.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/02-api-prompts.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/03-api-preamble.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/04-api-system-prompt.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/05-api-post-verification.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/background/tasks-alps-profile.json>



o/p:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/2025-06-15-tasks/index.js>

Generating Interface Tests:

Generating API Tests

Validating inputs/outputs

- Confirm the URL exists and responds as expected
- Validate the methods, input parameters
- Inspect the response bodies

Upload:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/02-index-modification-rules.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/03-prompt-template-testgen.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/04-metadata-conventions.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/05-test-verification-checklist.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/06-test-style-guide.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/07-test-context.json>

https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/04-alps-to-nodejs/task-management/_index.js

T-40 ✓ Saved memory full ⓘ Share ⓧ

02-api-prompts.md
File

03-api-preamble.md
File

04-api-system-prompt.md
File

05-api-post-verification.md
File

tasks-alps-profile.json
File

03-prompt-template-factory.md
File

04-metadata-conventions.md
File

using the uploaded context documents and the _index.js generate jest test suite and output a setup document to help get the tests up and running.

+ Tools

O/p:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/05-nodejs-to-test/api.test.js>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/tree/main/04-alps-to-nodejs/task-management>: Run tests

Generating security Profiles:

Generating Security Profiles

RBAC to the rescue

- Role-Based Access Control
 - RBAC
- Define Roles
 - anon, user, admin, etc
- Assign users to one or more roles
 - user:mike, roles:user, admin
- Secure API resources and actions
 - /tasks/, /tasks/:id, addTask, updateStatus, etc.

Generating Security Profiles

Exercise: Retrofit process

- Update API Story
 - Define roles, apply to resources & actions
- Generate Profile Report
 - New generation action
- Regenerate Assets
 - HTML documentation
 - ALPS
 - OpenAPI
 - NodeJS
 - Tests

Updated story with security profile:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/output/tasks-api-story-security.md>

Upload:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/00-rbac-system-prompt.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/01-rbac-style-guide.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/02-rbac-generation-checklist.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/03-rbac-verification-checklist.md>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/output/tasks-api-story-security.md>

Using context and updated story, generate the security profile.

O/p:

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/rbac-map.json>

<https://github.com/LearningNewTechnology/2025-05-ai-apis-design-with-alps/blob/main/06-rbac-security-profile/output/tasks-api-security-profile.html>