


[Template] API Contract

- 1. User Story
- 2. Wireframe & User Action
- 3. Frontend Requirements
  - 3.1. UI Components
  - 3.2. State Management
- 4. Backend Requirements
  - 4.1. Business Logic
  - 4.2. Validation Rules
- 5. API Contract
  - Endpoint 1: Get Moods List
    - Request
    - Response - Success (200)
    - Response - Error ([4xx/5xx])
- 6. Discussion Points

1. User Story

As a [user type],  
I want to [action],  
so that [goal].

2. Wireframe & User Action

 **Write in plain English - no technical terms**

This section is for discussion among CEO/PM, Frontend, and Backend.

[Wireframe image here]

Pages/Screen	Action	Result	Status
[Screen Name]	[User action description]	[Expected result]	TODO
[Screen Name]	[User action description]	[Expected result]	TODO
[Screen Name]	[User action description]	[Expected result]	TODO

3. Frontend Requirements

 **This section is owned by Frontend team**

3.1. UI Components

Component	Description	Data Source
[ComponentName]	[What this component displays/does]	[API / Static / Local]
[ComponentName]	[What this component displays/does]	[API / Static / Local]
[ComponentName]	[What this component displays/does]	[API / Static / Local]

3.2. State Management

State	Type	Initial	Description
[stateName]	[string / number / boolean / Type[]]	[initialValue]	[What this state represents]
[stateName]	[string / number / boolean / Type[]]	[initialValue]	[What this state represents]
[stateName]	[boolean]	[false]	[Loading/error state description]

4. Backend Requirements

 This section is owned by Backend team

4.1. Business Logic

- 1. [Step 1: e.g., Authenticate user via token]
- 2. [Step 2: e.g., Validate request parameters]
- 3. [Step 3: e.g., Query database for resource]
- 4. [Step 4: e.g., Process/transform data]
- 5. [Step 5: e.g., Return response]

4.2. Validation Rules

Field	Rule	Error Code
[fieldName]	[Validation rule description]	[ERROR_CODE]
[fieldName]	[Validation rule description]	[ERROR_CODE]
[fieldName]	[Validation rule description]	[ERROR_CODE]

5. API Contract

 This section is owned by Backend and Frontend together

Endpoint 1: Get Moods List

1 [METHOD] /api/[resource]/[action]/

Request

Parameter	Location	Type	Required	Description
Authorization	Header	string	Yes	Bearer {token}
[HeaderName]	Header / Path / Query	[type]	[Yes/No]	[Description]

Response - Success (200)

```
1 {
2   "[field_name]": "[value_type or example]",
3   "[field_name]": "[value_type or example]",
4   "[nested_object]": {
5     "[field_name]": "[value_type or example]"
6   }
7 }
```

Response - Error ([4xx/5xx])

Status	Code	Message	When
400	[ERROR_CODE]	[Error message]	[Condition that triggers this error]
401	UNAUTHORIZED	[Error message]	[Condition that triggers this error]
404	[ERROR_CODE]	[Error message]	[Condition that triggers this error]
500	SERVER_ERROR	[Error message]	[Condition that triggers this error]

6. Discussion Points

 Open questions and decisions to be made. Check off when resolved.

- ☐ [Question or decision point 1]
- ☐ [Question or decision point 2]
- ☐ [Question or decision point 3]