

## COMPLETION CRITERIA

At the end of this implementation, we must have:

- Fully working APIs
- A frontend that is entirely data-driven
- Admin updates reflected immediately on the site
- A stable foundation for future feature development

## STAGE 1 – FOUNDATION & CONTRACTS

### BACKEND

- Django project initialized
- Required apps created
- Django Ninja integrated
- Swagger documentation accessible
- Environment variables configured and working

### FRONTEND

- Next.js application initialized
- Folder structure finalized
- API base configuration set up
- Placeholder pages created (no UI design)

### SHARED

- API routes agreed upon
- Response field names agreed upon

## STAGE 2 – CORE MODELS & ADMIN

### BACKEND

Create core models such as:

- Member
- Project / Contribution
- Home page configuration
- Register all models in Django Admin
- Admins must be able to manage all content without developer assistance

### FRONTEND

- Prepare API utility functions
- Create mock data using the agreed schema
- Implement loading and error-handling states

### SHARED

- Once schemas are finalized, avoid arbitrary renaming of fields

## STAGE 3 – PUBLIC READ APIS

## BACKEND

Implement the following endpoints:

- Members list
  - Member detail
  - Projects list
  - Home page data
- Ensure responses are clean, consistent, and well-structured JSON

## FRONTEND

- Replace mock data with real API calls
- Verify that all pages render correctly
- Handle empty and edge states safely

## STAGE 4 – MEDIA HANDLING (SIMPLE VERSION)

### BACKEND

- Use local Django media storage
- Enable image uploads via Admin
- APIs should return accessible image URLs

### FRONTEND

- Render images from API responses
- Provide fallback UI when images are missing

## STAGE 5 – CONTACT FLOW

### BACKEND

- Create POST endpoint
- Validate input data
- Store submissions or trigger email notifications

### FRONTEND

- Connect the contact form to the API
- Implement success and error states
- Prevent duplicate submissions

## STAGE 6 – STABILITY PASS

### BACKEND

- Improve validation logic
- Review permissions
- Clean up and standardize code

### FRONTEND

- Remove all leftover mock data
- Eliminate hardcoded values
- Handle API failures gracefully

