

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
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- 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

