Week-by-Week Plan Project 2

Week 1 (Sep 29 – Oct 5)

- Set up **team dev environments**

  o Install Rocky Linux VM/Dual-boot.

  o Follow Dataverse **Installation Guide** (Java, Payara, Postgres, Solr).

  o Everyone can run a local Dataverse instance.

- Set up **GitHub repo** + agree on branching strategy.

- Assign team roles (Frontend, Backend/API, Metadata Schema, DevOps/Docs).

Week 2 (Oct 6 – Oct 12)

- Explore **Dataverse APIs**

  o Write quick test scripts: Search, Metadata fetch, File download.

- Design **metadata schema** (agree on fields for paintings & music).

- Build **React starter project** (basic routing + Tailwind/Bootstrap skeleton).

- Draft **architecture diagram** (React $\leftrightarrow$ DV APIs $\leftrightarrow$ Storage).

Week 3 (Oct 13 – Oct 19)

- Implement **gallery grid view** in React (dummy data first).

- Connect to Dataverse **Search API** to show real artwork metadata.

- Basic **detail page**: click item $\rightarrow$ show metadata fields.

- Set up **GitHub CI/CD** (lint/test builds).

Week 4 (Oct 20 – Oct 26)

- Implement **download button** (connect to DV Data Access API).

- Add **admin upload** flow via Native API (simple form for now).

- Confirm **linking with external metadata DB/API** (if provided).

- Team sync: identify blockers & integration issues.

Week 5 (Oct 27 – Nov 2)

🪩 Rough Draft Milestone

- Demo workflow: Search → View Metadata → Download → Admin Upload.
- UI can be plain (not polished), but all major functions visible.
- Write **progress report** for professor/customer with screenshots.

Week 6 (Nov 3 – Nov 9)

- Refine **search & filter** (artist, year, medium).
- Add **preview card design** (image/audio thumbnail).
- Improve **admin metadata editing**.
- UX feedback session within team (does it feel usable?).

Week 7 (Nov 10 – Nov 16)

- Optimize **performance** (test 100+ artworks).
- Add **access control rules** (if any restricted downloads).
- Start styling UI to resemble **MoMA/Met gallery**.
- Write first draft of **Final Report** (requirements + design).

Week 8 (Nov 17 – Nov 23)

- Polish **UI/UX** (branding, colors, responsive design).
- Add **multimedia playback** (audio preview, zoom for images).
- Expand **testing**: metadata accuracy, file integrity.
- Record **internal demo video** (dry run).

Week 9 (Nov 24 – Nov 30)

(Thanksgiving week — lighter workload)

- Team focus on **bug fixes & cleanup**.

- Work on **Final Report** sections: implementation + evaluation.

- Prepare **presentation slides**.

Week 10 (Dec 1 – Dec 6)

◍ **Final Delivery Milestone**

- Polish everything:

  o Final **demo video (2–3 min)**

  o Final **report (requirements → design → implementation → evaluation)**

  o **Presentation slides + live demo ready**

- Do at least **one full practice run** of the presentation.

- Submit all deliverables by **Dec 6**.

☑ By **end of October** → rough draft working demo.
☑ By **Dec 6** → polished MoMA-style gallery with final deliverables.