Project Milestones and Timeline

Team Wunderbar

April 7, 2025

Weekly Project Timeline and Milestones

Week	Dates (Mon–Sun)	Milestones and Tasks
Week 1	April 7 – April 13, 2025	• Set up the project repository. • Define folder structure and annotation format. • Finalize task board and management workflow. • Conduct kickoff meeting to align goals and responsibilities.
Week 2	April 14 – April 20, 2025	• Begin Phase 1 annotation on original images for Model 1. • Set up the initial YOLO model environment and configurations.
Week 3	April 21 – April 27, 2025	• Continue Phase 1 annotation. • Begin training Model 1 (YOLO) using partially annotated data.
Week 4	April 28 – May 4, 2025	• Finalize Phase 1 annotation. • Complete training of YOLO (Model 1). • Export bounding boxes and generate cropped outputs.
Week 5	May 5 – May 11, 2025	• Start Phase 2 annotation using cropped images. • Begin development of Model 2 (OCR + classification).
Week 6	May 12 – May 18, 2025	• Continue Phase 2 annotation. • Begin training Model 2 using labeled OCR data.

Week 7	May 19 – May 25, 2025	• Continue Model 2 training and tuning. • Start development of Model 3 (rule-based logic and formula calculations).
Week 8	May 26 – June 1, 2025	• Finalize Model 3 logic and perform rule validation. • Integrate Excel/CSV export pipeline.
Week 9	June 2 – June 8, 2025	• Integrate Model 1, Model 2, and Model 3 into a unified pipeline. • Conduct end-to-end testing and debugging.
Week 10	June 9 – June 15, 2025	• Perform final QA and validation. • Prepare project presentation and documentation. • Submit the complete project deliverables.

Annotation Process Details

Phase 1: Annotation for Model 1

- Annotate 300–400 original images with bounding boxes.
- These annotations are used to train Model 1 (YOLO) for object detection.
- The bounding box outputs are later used to crop regions of interest for further processing.

Phase 2: Annotation for Model 2

- Annotate cropped images generated from Model 1's output.
- Focus on labeling text elements, symbols, and structured fields.
- Assign classification tags (e.g., ID, label, value) to the annotated components.

Phase 3: Rule-Based Processing (Model 3)

- Pass the classified outputs from Model 2 into a rule-based engine.
- Apply logical formulas to perform computations, content validation, or formatting.
- Export the final structured results to Excel or CSV files.