

Liora MVP v1 Development Timeline

Week 1 – Project Setup & Foundations

- **Web Developer (Django + React):**
 - Set up Django backend + database (PostgreSQL).
 - Create basic React app + frontend structure.
 - Implement user authentication (Learner, Instructor, Org, Admin roles).
 - **AI Engineer (FastAPI):**
 - Set up FastAPI service skeleton.
 - Prepare placeholder routes (`/recommend`, `/summarize`).
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Week 2 – Dashboards & User Roles

- **Web Developer:**
 - Build Learner dashboard (basic UI).
 - Build Instructor dashboard (basic UI).
 - Build Organisation dashboard (basic UI).
 - **AI Engineer:**
 - Connect FastAPI with Django (REST API call integration).
 - Begin prototyping AI course recommendation (basic content-based filter).
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Week 3 – Instructor Exam & Approval

- **Web Developer:**

- Build instructor exam system (MCQ quiz + auto-grading).
 - Add admin approval workflow for instructors.
 - **AI Engineer:**
 - Add summarization model prototype for lectures.
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Week 4 – Course Delivery (Pre-Recorded)

- **Web Developer:**
 - Build course upload + video hosting (linking with storage e.g., AWS S3/Cloudinary).
 - Learners can enroll and watch pre-recorded courses.
 - **AI Engineer:**
 - Integrate `/summarize` with pre-recorded course content.
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Week 5 – Bootcamps (Group Live Classes)

- **Web Developer:**
 - Build scheduling system for group bootcamps (calendar integration).
 - Add Zoom/Google Meet/Agora API for live streaming.
 - **AI Engineer:**
 - Add summarization for bootcamp sessions (transcript summarization).
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Week 6 – Private 1-on-1 Sessions

- **Web Developer:**
 - Build scheduling + booking system for 1-on-1 classes.

- Notification system (email reminders).
 - **AI Engineer:**
 - Begin improving recommendations (collaborative filtering).
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Week 7 – Tracking System

- **Web Developer:**
 - Add progress tracking: % completion for courses, bootcamps.
 - Add organisation staff monitoring (org admins can see staff progress).
 - **AI Engineer:**
 - Optimize AI APIs for speed (caching, batching).
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Week 8 – Testing, Integration & Launch Prep

- **Web Developer:**
 - Test all dashboards (Learner, Instructor, Org, Admin).
 - Security hardening, bug fixes, polish UI.
- **AI Engineer:**
 - Finalize recommendation & summarization APIs.
 - Integrate with frontend for smooth UX.
- **Team Together:**
 - Deploy to staging.
 - Run user acceptance testing (UAT).
 - Prepare MVP launch .