# **YTEMpire Week 0 Execution Plan**

# **Executive Leadership**

**Role: CEO/Founder** 

# **Task 1: Strategic Vision Alignment Session**

**Description**: Conduct comprehensive strategy workshop to align all department heads on MVP goals and success metrics. **Steps**:

- 1. Prepare vision deck with 90-day milestones and \$10K/month revenue target
- 2. Schedule 4-hour workshop with CTO, VP AI, and Product Owner
- 3. Define clear success metrics: 5 channels/user, <\$3/video cost, 95% automation
- 4. Document decisions and distribute to all team leads **Duration**: 4 hours **Dependencies**: None **Deliverable**: Strategic alignment document with signed commitments **Priority**: P0

# **Task 2: Budget Allocation and Resource Planning**

**Description**: Finalize budget distribution across teams and approve critical purchases. **Steps**:

- 1. Review \$200K budget allocation proposals from each team lead
- 2. Approve hardware purchases (Ryzen 9 9950X3D system, RTX 5090)
- 3. Allocate API credits budget (\$10K for Month 1)
- 4. Set up corporate credit cards and spending limits **Duration**: 3 hours **Dependencies**: Team lead budget requests **Deliverable**: Approved budget spreadsheet with spending authority matrix **Priority**: P0

### **Task 3: Legal and Compliance Framework**

**Description**: Establish legal structure for YouTube automation and content generation. **Steps**:

- 1. Review YouTube ToS with legal counsel regarding automation
- 2. Set up business entity structure for channel ownership
- 3. Create content copyright and fair use guidelines
- Document compliance requirements for Al-generated content **Duration**: 4 hours **Dependencies**:
  Legal counsel availability **Deliverable**: Compliance guidelines document and legal entity registration
  **Priority**: P1

**Role: Product Owner** 

Task 1: User Journey Mapping

**Description**: Create detailed user journey maps for the MVP focusing on 5-channel management workflow. **Steps**:

- 1. Map onboarding flow from signup to first video generation
- 2. Define channel setup wizard requirements (10 questions max)
- 3. Document daily user interaction points (target: 15 minutes/day)
- 4. Create workflow for channel performance monitoring **Duration**: 4 hours **Dependencies**: CEO vision alignment **Deliverable**: User journey diagrams in Figma with annotations **Priority**: P0

#### **Task 2: MVP Feature Prioritization**

**Description**: Define and prioritize core features for 12-week MVP delivery. **Steps**:

- 1. Create feature matrix with must-have vs nice-to-have classification
- 2. Map features to user value and technical complexity
- 3. Define acceptance criteria for each core feature
- 4. Get sign-off from CTO and VP AI on feasibility **Duration**: 3 hours **Dependencies**: Strategic alignment session **Deliverable**: Prioritized product backlog in JIRA with user stories **Priority**: P0

# Task 3: Beta User Recruitment Planning

**Description**: Develop strategy to recruit and onboard 10 beta users by Week 12. **Steps**:

- 1. Define ideal beta user profile (digital entrepreneurs, \$2-5K budget)
- 2. Create recruitment channels list (Reddit, Facebook groups, Twitter)
- 3. Draft beta user agreement and NDA templates
- 4. Design feedback collection framework **Duration**: 3 hours **Dependencies**: Legal framework completion **Deliverable**: Beta recruitment strategy document with templates **Priority**: P2

#### **Role: CTO/Technical Director**

#### **Task 1: Technical Architecture Documentation**

**Description**: Create comprehensive technical architecture blueprint for all teams. **Steps**:

- 1. Design system architecture diagram (microservices vs monolith decision)
- 2. Define API contract standards and versioning strategy
- 3. Document data flow from user input to YouTube upload
- 4. Specify technology stack choices with justifications **Duration**: 4 hours **Dependencies**: CEO strategic alignment **Deliverable**: Technical architecture document v1.0 in Confluence **Priority**: P0

#### **Task 2: Development Environment Standardization**

**Description**: Set up standardized development environment for all engineers. **Steps**:

- 1. Create Docker compose files for local development
- 2. Set up GitHub organization and repository structure
- 3. Configure CI/CD pipeline templates in GitHub Actions
- 4. Document setup instructions and troubleshooting guide **Duration**: 4 hours **Dependencies**: None **Deliverable**: Development environment setup guide and Docker configurations **Priority**: P0

#### Task 3: Security and Infrastructure Planning

**Description**: Establish security baseline and infrastructure requirements. **Steps**:

- 1. Define security requirements (OAuth2, JWT, encryption standards)
- 2. Plan hybrid cloud/local infrastructure allocation
- 3. Set up VPN and secure access protocols
- 4. Create disaster recovery initial plan **Duration**: 3 hours **Dependencies**: Budget approval **Deliverable**: Security standards document and infrastructure diagram **Priority**: P1

# **Task 4: Cross-Team Integration Points**

**Description**: Define integration contracts between all technical teams. **Steps**:

- 1. Map dependencies between Backend, Frontend, and Platform Ops
- 2. Create API documentation templates
- 3. Define code review and merge request processes
- 4. Set up shared Slack channels and communication protocols **Duration**: 2 hours **Dependencies**: Team leads availability **Deliverable**: Integration matrix and communication protocol document **Priority**: P1

#### Role: VP of Al

## **Task 1: AI Model Selection and Cost Analysis**

**Description**: Evaluate and select Al models optimizing for quality and <\$3/video cost target. **Steps**:

- 1. Benchmark GPT-3.5 vs GPT-4 for script generation quality/cost
- 2. Compare ElevenLabs vs Google TTS for voice synthesis
- 3. Test Stable Diffusion vs DALL-E for thumbnail generation
- 4. Create cost projection model for 50 videos/day **Duration**: 4 hours **Dependencies**: API access credentials **Deliverable**: AI model comparison matrix with cost projections **Priority**: P0

### **Task 2: Content Generation Pipeline Architecture**

**Description**: Design end-to-end pipeline from trend detection to video upload. **Steps**:

- 1. Map data sources for trend analysis (YouTube API, Google Trends, Reddit)
- 2. Define pipeline stages: trend  $\rightarrow$  script  $\rightarrow$  voice  $\rightarrow$  video  $\rightarrow$  thumbnail
- 3. Specify quality gates and approval thresholds
- 4. Design fallback mechanisms for API failures **Duration**: 4 hours **Dependencies**: CTO architecture approval **Deliverable**: Pipeline architecture diagram with stage specifications **Priority**: P0

### Task 3: Prompt Engineering Framework

**Description**: Develop initial prompt templates for consistent content generation. **Steps**:

- 1. Create base prompts for 5 content styles (educational, entertainment, news)
- 2. Design prompt variables for channel personalization
- 3. Test prompts for consistency and quality
- 4. Document prompt versioning and A/B testing strategy **Duration**: 3 hours **Dependencies**: Al model selection **Deliverable**: Prompt template library with testing results **Priority**: P1

# **Technical Teams (Under CTO)**

**Role: Backend Team Lead** 

**Task 1: API Framework Setup** 

**Description**: Initialize FastAPI project structure with best practices. **Steps**:

- 1. Create FastAPI project with modular structure
- 2. Set up SQLAlchemy ORM with PostgreSQL connection
- 3. Implement basic JWT authentication scaffold
- 4. Configure pytest for unit testing **Duration**: 4 hours **Dependencies**: Development environment setup **Deliverable**: Base API project with authentication in GitHub **Priority**: P0

### **Task 2: Database Schema Design**

**Description**: Design and implement initial database schema for MVP. **Steps**:

- 1. Create ERD for users, channels, videos, and costs entities
- 2. Write Alembic migrations for initial schema
- 3. Set up Redis for caching and session management
- 4. Document indexing strategy for performance **Duration**: 3 hours **Dependencies**: Architecture documentation **Deliverable**: Database schema with migrations and documentation **Priority**: P1

# **Task 3: External API Integration Planning**

**Description**: Map all external API requirements and rate limits. **Steps**:

- 1. Document YouTube API quotas (10,000 units/day per key)
- 2. Plan 15-account rotation system for quota management
- 3. Create API client abstraction layer design
- 4. Define retry and circuit breaker patterns **Duration**: 2 hours **Dependencies**: VP AI model selection **Deliverable**: External API integration specification document **Priority**: P1

# **Role: API Developer Engineer**

# **Task 1: User Management Endpoints**

**Description**: Implement core user registration and authentication endpoints. **Steps**:

- 1. Create /auth/register endpoint with email validation
- 2. Implement /auth/login with JWT token generation
- 3. Add /auth/refresh for token refresh flow
- 4. Create /users/profile CRUD endpoints **Duration**: 4 hours **Dependencies**: Database schema, JWT setup **Deliverable**: Working authentication endpoints with tests **Priority**: P1

# **Task 2: Channel Management Scaffold**

**Description**: Create basic channel CRUD operations structure. **Steps**:

- 1. Design channel data model with 5-channel limit validation
- 2. Implement POST /channels endpoint
- 3. Create GET /channels with user filtering
- 4. Add channel status management (active/paused) **Duration**: 3 hours **Dependencies**: User management completion **Deliverable**: Channel management endpoints with validation **Priority**: P2

### **Role: Data Pipeline Engineer**

### **Task 1: Queue System Setup**

**Description**: Configure Celery with Redis for async task processing. **Steps**:

- 1. Install and configure Celery with Redis broker
- 2. Create base task classes for video generation
- 3. Implement task monitoring and status tracking
- 4. Set up Flower for queue monitoring **Duration**: 4 hours **Dependencies**: Redis setup **Deliverable**: Working Celery configuration with example tasks **Priority**: P1

# **Task 2: Cost Tracking Framework**

**Description**: Build foundation for tracking per-video costs. **Steps**:

- 1. Design cost tracking data model
- 2. Create cost calculation utilities for each API call
- 3. Implement cost aggregation functions
- 4. Add cost alerting thresholds (\$3/video limit) **Duration**: 3 hours **Dependencies**: Database schema **Deliverable**: Cost tracking module with unit tests **Priority**: P2

# **Role: Integration Specialist**

# **Task 1: n8n Workflow Engine Setup**

**Description**: Deploy and configure n8n for workflow automation. **Steps**:

- 1. Deploy n8n using Docker compose
- 2. Configure webhook endpoints for API integration
- 3. Create sample workflow for video generation trigger
- 4. Set up n8n credentials for external services **Duration**: 3 hours **Dependencies**: Docker environment **Deliverable**: Running n8n instance with sample workflow **Priority**: P1

# Task 2: YouTube API Client Implementation

**Description**: Create robust YouTube API client with quota management. **Steps**:

- 1. Implement OAuth2 flow for YouTube authentication
- 2. Create upload client with resumable uploads
- 3. Add quota tracking and account rotation logic
- 4. Implement error handling and retry mechanisms **Duration**: 4 hours **Dependencies**: API framework setup **Deliverable**: YouTube API client library with tests **Priority**: P2

#### **Role: Frontend Team Lead**

### **Task 1: React Project Initialization**

**Description**: Set up React 18 project with TypeScript and modern tooling. **Steps**:

- 1. Initialize Vite project with React 18 and TypeScript
- 2. Configure ESLint, Prettier, and Husky for code quality
- 3. Set up Zustand for state management
- 4. Implement React Router for navigation **Duration**: 3 hours **Dependencies**: Development environment **Deliverable**: Base React project with tooling configured **Priority**: P0

#### **Task 2: Design System Foundation**

**Description**: Establish Material-UI theme and component library structure. **Steps**:

- 1. Configure Material-UI with custom theme
- 2. Create base component structure (Button, Input, Card)
- 3. Set up Storybook for component documentation
- 4. Define responsive breakpoints (desktop-first) **Duration**: 3 hours **Dependencies**: React project setup **Deliverable**: Design system with 5 base components in Storybook **Priority**: P1

#### Task 3: API Client Architecture

**Description**: Build API communication layer with error handling. **Steps**:

- 1. Create Axios instance with interceptors
- 2. Implement authentication token management
- 3. Build API hooks using React Query
- 4. Add global error handling and toast notifications **Duration**: 2 hours **Dependencies**: Backend API documentation **Deliverable**: API client utilities with authentication flow **Priority**: P1

# **Role: React Engineer**

#### **Task 1: Authentication UI Components**

**Description**: Build login and registration interface components. **Steps**:

- 1. Create Login form with validation
- 2. Build Registration component with password requirements
- 3. Implement protected route wrapper
- 4. Add loading states and error handling **Duration**: 4 hours **Dependencies**: Design system, API client **Deliverable**: Working auth flow with API integration **Priority**: P1

### **Task 2: Dashboard Layout Structure**

**Description**: Create main application layout with navigation. **Steps**:

- 1. Build responsive sidebar navigation component
- 2. Create header with user menu
- 3. Implement main content area with routing
- 4. Add breadcrumb navigation **Duration**: 3 hours **Dependencies**: React Router setup **Deliverable**: Application shell with navigation **Priority**: P2

# **Role: Dashboard Specialist**

### **Task 1: Recharts Setup and Configuration**

**Description**: Initialize data visualization library for metrics display. **Steps**:

- 1. Install and configure Recharts
- 2. Create reusable chart components (Line, Bar, Pie)
- 3. Implement responsive chart containers
- 4. Add chart theming to match design system **Duration**: 3 hours **Dependencies**: React project setup **Deliverable**: Chart component library with examples **Priority**: P2

### **Task 2: Real-time Update Architecture**

**Description**: Design polling and WebSocket strategy for live data. **Steps**:

- 1. Implement polling hook with configurable intervals
- 2. Create WebSocket connection manager
- 3. Build store update mechanisms for real-time data
- 4. Add connection status indicators **Duration**: 2 hours **Dependencies**: Zustand setup **Deliverable**: Realtime data update utilities **Priority**: P2

# Role: UI/UX Designer

# **Task 1: Design System Documentation**

**Description**: Create comprehensive design system in Figma. **Steps**:

- 1. Define color palette, typography, and spacing scales
- 2. Design component library (buttons, inputs, cards)
- 3. Create desktop-first responsive grid system
- 4. Document component states and interactions **Duration**: 4 hours **Dependencies**: Brand guidelines **Deliverable**: Figma design system with 15 components **Priority**: P0

#### **Task 2: MVP Screen Wireframes**

**Description**: Design low-fidelity wireframes for core user flows. **Steps**:

- 1. Create dashboard overview wireframe
- 2. Design channel management interface
- 3. Sketch video queue and generation flow
- 4. Layout settings and configuration screens **Duration**: 4 hours **Dependencies**: User journey maps **Deliverable**: Complete wireframe set for 20 screens **Priority**: P1

# **Task 3: High-Fidelity Dashboard Mockup**

**Description**: Create detailed dashboard design for development reference. **Steps**:

1. Design metrics cards and KPI displays

- 2. Create chart layouts and data visualizations
- 3. Add interactive elements and hover states
- 4. Export assets and specifications for developers **Duration**: 3 hours **Dependencies**: Wireframe approval **Deliverable**: Pixel-perfect dashboard mockup with specs **Priority**: P2

# **Role: Platform Ops Lead**

# **Task 1: Local Server Infrastructure Setup**

**Description**: Configure Ryzen 9 9950X3D server for development and testing. **Steps**:

- 1. Install Ubuntu 22.04 LTS with optimizations
- 2. Configure NVIDIA drivers for RTX 5090
- 3. Set up Docker and Docker Compose
- 4. Implement basic security hardening (firewall, SSH) **Duration**: 4 hours **Dependencies**: Hardware delivery **Deliverable**: Operational server with remote access **Priority**: P0

# **Task 2: CI/CD Pipeline Foundation**

**Description**: Create GitHub Actions workflow for automated testing and deployment. **Steps**:

- 1. Set up GitHub Actions runners configuration
- 2. Create workflow for automated testing on PR
- 3. Implement Docker image building pipeline
- 4. Configure deployment scripts for staging **Duration**: 3 hours **Dependencies**: GitHub repository setup **Deliverable**: Working CI/CD pipeline with test workflow **Priority**: P1

#### **Task 3: Monitoring Stack Deployment**

**Description**: Set up Prometheus and Grafana for system monitoring. **Steps**:

- 1. Deploy Prometheus with Docker
- 2. Configure Grafana with basic dashboards
- 3. Set up node exporters for system metrics
- 4. Create alerting rules for critical thresholds **Duration**: 3 hours **Dependencies**: Docker environment **Deliverable**: Monitoring dashboard with system metrics **Priority**: P2

# **Role: DevOps Engineer**

# **Task 1: Docker Environment Configuration**

**Description**: Create comprehensive Docker compose setup for all services. **Steps**:

1. Write Docker compose for PostgreSQL, Redis, and API

- 2. Configure volume mounts for persistence
- 3. Set up networking between containers
- 4. Create environment variable management **Duration**: 4 hours **Dependencies**: Service specifications **Deliverable**: docker-compose.yml with all services **Priority**: P0

# **Task 2: Backup and Recovery Setup**

**Description**: Implement automated backup system for critical data. **Steps**:

- 1. Configure PostgreSQL automated backups
- 2. Set up backup rotation (daily/weekly/monthly)
- 3. Create restoration scripts and test procedures
- 4. Document recovery time objectives **Duration**: 3 hours **Dependencies**: Database setup **Deliverable**: Backup scripts with restoration procedures **Priority**: P1

# **Role: Security Engineer**

# **Task 1: Security Baseline Implementation**

**Description**: Establish fundamental security measures for MVP. **Steps**:

- 1. Configure UFW firewall rules
- 2. Set up Fail2ban for brute force protection
- 3. Implement SSL/TLS with Let's Encrypt
- 4. Create security scanning automation **Duration**: 4 hours **Dependencies**: Server setup **Deliverable**: Hardened server with security documentation **Priority**: P1

#### **Task 2: Secrets Management System**

**Description**: Implement secure handling of API keys and credentials. **Steps**:

- 1. Set up environment variable encryption
- 2. Create secrets rotation procedures
- 3. Implement vault for sensitive data
- 4. Document access control policies **Duration**: 3 hours **Dependencies**: Infrastructure setup **Deliverable**: Secrets management with documentation **Priority**: P1

# **Role: QA Engineer**

# **Task 1: Test Framework Setup**

**Description**: Establish testing infrastructure for automated quality assurance. **Steps**:

1. Configure Jest for backend unit testing

- 2. Set up Cypress for frontend E2E tests
- 3. Create test data factories
- 4. Implement test coverage reporting **Duration**: 4 hours **Dependencies**: Development environment **Deliverable**: Testing framework with example tests **Priority**: P2

# **Task 2: Test Planning Documentation**

**Description**: Create comprehensive test strategy for MVP. **Steps**:

- 1. Define test scenarios for critical user paths
- 2. Create test case templates
- 3. Establish bug severity classifications
- 4. Document testing timeline and milestones **Duration**: 3 hours **Dependencies**: Feature specifications **Deliverable**: Test plan document with 20 test cases **Priority**: P2

# AI Teams (Under VP of AI)

Role: AI/ML Team Lead

# **Task 1: ML Infrastructure Planning**

**Description**: Design ML model serving architecture for production. **Steps**:

- 1. Evaluate model serving options (Triton, TorchServe, FastAPI)
- 2. Design GPU scheduling strategy for inference
- 3. Plan model versioning and rollback procedures
- 4. Create performance benchmarking framework **Duration**: 4 hours **Dependencies**: Infrastructure availability **Deliverable**: ML infrastructure design document **Priority**: P0

#### **Task 2: Model Evaluation Framework**

**Description**: Establish metrics and testing procedures for Al models. **Steps**:

- 1. Define quality metrics for generated content
- 2. Create A/B testing framework for model comparison
- 3. Implement automated testing pipeline
- 4. Set up model performance monitoring **Duration**: 3 hours **Dependencies**: None **Deliverable**: Model evaluation framework with metrics **Priority**: P1

# **Task 3: Team Coordination Setup**

**Description**: Establish AI team workflows and collaboration tools. **Steps**:

1. Set up MLflow for experiment tracking

- 2. Configure shared Jupyter environment
- 3. Create model documentation templates
- 4. Establish code review process for ML code **Duration**: 2 hours **Dependencies**: Development environment **Deliverable**: Al team workspace with collaboration tools **Priority**: P2

# **Role: ML Engineer**

# **Task 1: Trend Prediction Model Prototype**

**Description**: Build initial trend detection system using YouTube data. **Steps**:

- 1. Collect sample YouTube trending data
- 2. Implement basic time series analysis
- 3. Create feature extraction pipeline
- 4. Train initial Prophet model for forecasting **Duration**: 4 hours **Dependencies**: YouTube API access **Deliverable**: Working trend prediction prototype **Priority**: P1

# **Task 2: Model Serving API Setup**

**Description**: Create FastAPI endpoints for model inference. **Steps**:

- 1. Design inference API contract
- 2. Implement model loading and caching
- 3. Create batch prediction endpoints
- 4. Add performance monitoring **Duration**: 3 hours **Dependencies**: API framework **Deliverable**: Model serving API with documentation **Priority**: P2

#### **Role: Data Team Lead**

### **Task 1: Data Pipeline Architecture**

**Description**: Design data collection and processing infrastructure. **Steps**:

- 1. Map data sources and ingestion requirements
- 2. Design ETL pipeline architecture
- 3. Plan data warehouse schema
- 4. Create data quality monitoring strategy **Duration**: 4 hours **Dependencies**: Technical architecture **Deliverable**: Data pipeline architecture document **Priority**: P0

### **Task 2: Analytics Database Setup**

**Description**: Initialize analytics data storage and access patterns. **Steps**:

1. Set up PostgreSQL analytics schema

- 2. Configure read replicas for reporting
- 3. Create data access layer
- 4. Implement caching strategy **Duration**: 3 hours **Dependencies**: Database setup **Deliverable**: Analytics database with access patterns **Priority**: P1

# **Role: Data Engineer**

#### Task 1: YouTube Data Collector

**Description**: Build automated YouTube metrics collection system. **Steps**:

- 1. Implement YouTube Analytics API client
- 2. Create scheduled data collection jobs
- 3. Design data normalization procedures
- 4. Set up data validation checks **Duration**: 4 hours **Dependencies**: YouTube API access **Deliverable**: Automated data collection pipeline **Priority**: P1

# **Task 2: Cost Analytics Pipeline**

**Description**: Create system for tracking and analyzing per-video costs. **Steps**:

- 1. Design cost data model
- 2. Implement API usage trackers
- 3. Create cost aggregation jobs
- 4. Build cost reporting endpoints **Duration**: 3 hours **Dependencies**: Database schema **Deliverable**: Cost tracking pipeline with reports **Priority**: P2

# **Role: Analytics Engineer**

#### **Task 1: Metrics Definition and Calculation**

**Description**: Define KPIs and implement calculation logic. **Steps**:

- 1. Define core metrics (CAC, LTV, engagement)
- 2. Create SQL queries for metric calculation
- 3. Implement metric caching layer
- 4. Document metric definitions **Duration**: 3 hours **Dependencies**: Data schema **Deliverable**: Metrics calculation library with documentation **Priority**: P2

### **Task 2: Reporting API Development**

**Description**: Build API endpoints for analytics dashboards. **Steps**:

1. Design reporting API structure

- 2. Implement aggregation endpoints
- 3. Add time-series data endpoints
- 4. Create export functionality **Duration**: 3 hours **Dependencies**: Analytics database **Deliverable**: Reporting API with example queries **Priority**: P2

# **Week 0 Timeline Overview**

# Day 1-2 (P0 Tasks)

- All Teams: Environment setup, tool installation, access configuration
- Leadership: Strategic alignment, budget approval, legal framework
- **Technical Leads**: Architecture documentation, infrastructure setup

# Day 3-4 (P1 Tasks)

- **Backend**: API scaffolding, database design, authentication
- **Frontend**: React setup, design system, component library
- Al Team: Model selection, pipeline architecture, cost analysis
- Platform Ops: CI/CD setup, monitoring deployment

# Day 5 (P2 Tasks)

- All Teams: Integration testing, documentation review, handoff preparation
- QA: Test framework completion, test planning
- **Product**: Beta user recruitment planning

#### **Success Criteria for Week 0**

- 1. **Development Environment**: All 17 team members have working local environment
- 2. **Architecture**: Complete technical architecture documented and approved
- 3. **Infrastructure**: Ryzen server operational with Docker stack running
- 4. **API Foundation**: Basic authentication and user management working
- 5. **Frontend Shell**: React application with routing and design system
- 6. Al Pipeline: Cost projections validated, model selection complete
- 7. **CI/CD**: Automated testing running on every commit
- 8. **Documentation**: All architectural decisions documented in Confluence
- 9. **Team Alignment**: Every team member clear on Week 1 deliverables
- 10. **Cost Tracking**: Mechanisms in place to monitor <\$3/video target

# **Risk Mitigation for Week 0**

- 1. **Hardware Delays**: Have cloud backup plan ready (AWS/GCP)
- 2. **API Access Issues**: Pre-register all API accounts in advance
- 3. **Team Availability**: Identify backup resources for critical roles
- 4. **Technical Blockers**: Daily standup at 9 AM to surface issues early
- 5. **Integration Failures**: End-of-day integration testing sessions

# **Handoff Points for Week 1**

- 1. **Backend** → **Frontend**: API documentation and authentication flow
- 2. **Al** → **Backend**: Model serving endpoints and cost estimates
- 3. **Platform Ops** → **All**: CI/CD pipelines and monitoring dashboards
- 4. **Product** → **All**: Finalized feature specifications and priorities
- 5. **Frontend** → **Product**: UI mockups for user feedback