Requirements Analysis

Functional Requirements

- Medical image analysis and diagnostic support
- Real-time prediction results
- User-friendly interface
- Data management and storage functionality
- Performance monitoring dashboard

Non-Functional Requirements

- Response time < 5 seconds
- 99.9% system availability
- HIPAA compliance
- Scalable architecture
- Data encryption and security

Requirements Matrix

Accuracy (> 95%)	HIGH
Response Speed (< 5s)	HIGH
Data Security	HIGH

Priority Setting

- Must Have: Core diagnostic features
- Should Have: Monitoring system
- Nice to Have: Advanced visualization

| User Experience | MEDIUM |

- Future: Automatic AI model updates