**Mingus Application Testing & Status Update Prompts**

**🎯 Phase 1: Overall System Status**

**Prompt 1: Comprehensive Status Check**

Run a comprehensive status check on my Mingus application. I need to know:

- Current production readiness percentage

- All critical security issues that need immediate attention

- Test suite results (how many tests passing/failing)

- Database connection and health status

- Key performance metrics (response times, memory usage)

- Any broken dependencies or missing components

**Prompt 2: Security Assessment**

Perform a security audit of my Mingus application focusing on:

- Authentication bypass vulnerabilities in test mode

- CSRF protection status on financial endpoints

- Session management consistency (JWT vs session conflicts)

- Rate limiting effectiveness

- Data encryption status for financial information

- Any exposed endpoints or security misconfigurations

**🧪 Phase 2: Core Functionality Testing**

**Prompt 3: User Registration & Authentication Flow**

Test the complete user registration and authentication flow for Mingus:

- New user signup process

- Email verification (if implemented)

- Login functionality with proper session management

- Password reset flow

- Two-factor authentication (if implemented)

- Check for the authentication bypass vulnerability mentioned in my status report

**Prompt 4: Financial Data Processing**

Test the core financial functionality of Mingus:

- Income and expense input processing

- Cash flow forecasting calculations

- Due date tracking and alerts

- Financial milestone projections

- Quick expenditure impact analysis

- Verify all financial calculations are accurate and secure

**Prompt 5: Health & Relationship Integration**

Test the unique health-to-finance connection features:

- Weekly check-in form (physical activity, relationships, mindfulness)

- Connection between health data and spending patterns

- Relationship status impact on financial recommendations

- Physical activity correlation with financial decisions

- Meditation/mindfulness tracking integration

**💳 Phase 3: Payment & Subscription Testing**

**Prompt 6: Stripe Payment Integration**

Test the three-tier subscription system ($15 Budget, $35 Mid-tier, $100 Professional):

- Subscription signup process for each tier

- Payment processing and confirmation

- Subscription upgrades/downgrades

- Payment failure handling

- Invoice generation and delivery

- Webhook handling for payment events

- Verify no payment security vulnerabilities

**Prompt 7: Feature Access Control**

Verify that subscription tiers properly control feature access:

- Budget tier ($10): What features are available/restricted?

- Mid-tier ($20): What additional features unlock?

- Professional ($50): What premium features are included?

- Test proper paywall implementation

- Verify no unauthorized feature access

**📊 Phase 4: Target Market Features**

**Prompt 8: African American Professional Experience**

Test features specifically designed for African American professionals (25-35, $40K-$100K):

- Career advancement recommendations

- Income improvement suggestions

- Community-specific financial challenges addressed

- Cultural sensitivity in financial advice

- Location-based features for top 10 metro areas (Atlanta, Houston, DC, etc.)

- Verify the app addresses the top 10 problems listed in my documentation

**Prompt 9: Mobile Experience & Responsiveness**

Test the mobile experience for my target demographic:

- Mobile app performance and responsiveness

- Touch interactions and usability

- Offline functionality capabilities

- Mobile payment processing

- Screen adaptation across different device sizes

- Performance on budget/older mobile devices (important for target income range)

**🔧 Phase 5: Technical Infrastructure**

**Prompt 10: Database & Performance Testing**

Test the PostgreSQL database and performance systems:

- Database connection pooling effectiveness

- Query performance for financial calculations

- Data integrity and backup systems

- Redis caching performance

- Celery background task processing

- Overall system performance under load

**Prompt 11: Communication Systems**

Test all communication features:

- Email delivery via Resend (welcome emails, reports, alerts)

- SMS notifications via Twilio (reminders, alerts)

- Email template rendering and personalization

- Communication routing based on user preferences

- Delivery success rates and error handling

**📈 Phase 5: Monitoring & Analytics**

**Prompt 12: Health Monitoring Dashboard**

Check the comprehensive monitoring system:

- Application health metrics (6-7ms response times mentioned)

- Performance monitoring and alerting

- User analytics and engagement tracking

- Error tracking and logging systems

- System resource usage (CPU, memory, storage)

- Uptime monitoring and availability metrics

**Prompt 13: User Analytics & Insights**

Test the analytics and insights features:

- User behavior tracking and analysis

- Financial progress reporting

- Engagement metrics by subscription tier

- User journey optimization data

- A/B testing capabilities (if implemented)

- Cultural and demographic insights for target market

**🚨 Phase 6: Critical Issue Verification**

**Prompt 14: Authentication Security Deep Dive**

Specifically test the critical authentication issues mentioned in my status report:

- Verify the authentication bypass vulnerability in test mode

- Test session management consistency

- Check for proper JWT token handling

- Verify logout functionality works correctly

- Test concurrent session handling

- Confirm all authentication decorators work properly

**Prompt 15: CSRF Protection Testing**

Specifically test CSRF protection across the application:

- Financial transaction endpoints CSRF protection

- Form submissions security

- API endpoint protection

- State-changing operations security

- Cross-origin request handling

- Token validation and rotation

**📋 Phase 7: Deployment & Production Readiness**

**Prompt 16: Docker & Deployment Testing**

Test the production deployment setup:

- Docker container functionality

- Environment configuration (dev vs production)

- Database migration processes

- Static file serving

- SSL/HTTPS configuration

- Load balancing setup (if applicable)

**Prompt 17: Backup & Recovery Systems**

Test disaster recovery and backup systems:

- Database backup automation

- Data recovery procedures

- System rollback capabilities

- User data export functionality

- GDPR compliance for data handling

- Emergency procedures documentation

**🎯 Phase 8: User Experience & Completeness**

**Prompt 18: End-to-End User Journey**

Simulate a complete user journey from start to finish:

1. User discovers Mingus app

2. Signs up for Budget tier ($10)

3. Completes profile setup with income/expenses

4. Performs first weekly check-in

5. Reviews financial forecast

6. Upgrades to Mid-tier ($20)

7. Uses career recommendations

8. Receives and reviews monthly report

Test each step for functionality, user experience, and any blocking issues.

**Prompt 19: Final Production Readiness Assessment**

Based on all previous tests, provide a final production readiness assessment:

- Updated production readiness percentage

- All remaining critical issues prioritized

- Recommended timeline for full deployment

- Risk assessment for early launch

- Success metrics to track post-launch

- Comparison against competitor offerings (Mint, YNAB, etc.)

**🔄 How to Use These Prompts**

1. **Run prompts sequentially** - Each phase builds on the previous
2. **Document results** - Keep track of what passes/fails
3. **Prioritize critical issues** - Focus on security and core functionality first
4. **Test iteratively** - Re-run tests after fixes
5. **Use for stakeholder updates** - Results provide clear status reports

**📊 Expected Outcomes**

* **Current Status**: ~78% production ready (per August 2025 report)
* **Critical Issues**: 2-3 security vulnerabilities to fix
* **Timeline**: 3-6 weeks to full production readiness
* **Test Coverage**: 94% with 31 passing tests
* **Target**: 1,000 users across three subscription tiers in Year 1