

# Music Analytics Project - Planning Document

## 1. Work Plan

### Phase 1: Project Setup (Week 1)

- Set up Django project and environment
- Implement basic Spotify API connection
- Create database models for users and playlists

### Phase 2: Core Features (Week 2-4)

- Basic user authentication with Spotify
- Simple dashboard showing user's playlists
- Display basic playlist information
- Show simple track statistics

### Phase 3: Final Phase (Week 5-6)

- Basic data visualization (simple charts)
- Testing and bug fixes
- Documentation
- Project presentation

## 2. Work Breakdown

### 2.1 Project Setup

- Set up Django project
- Install required packages
- Configure Spotify API access
- Create basic models

## 2.2 User Features

- Spotify login
- View playlists
- Basic user profile
- Simple data display

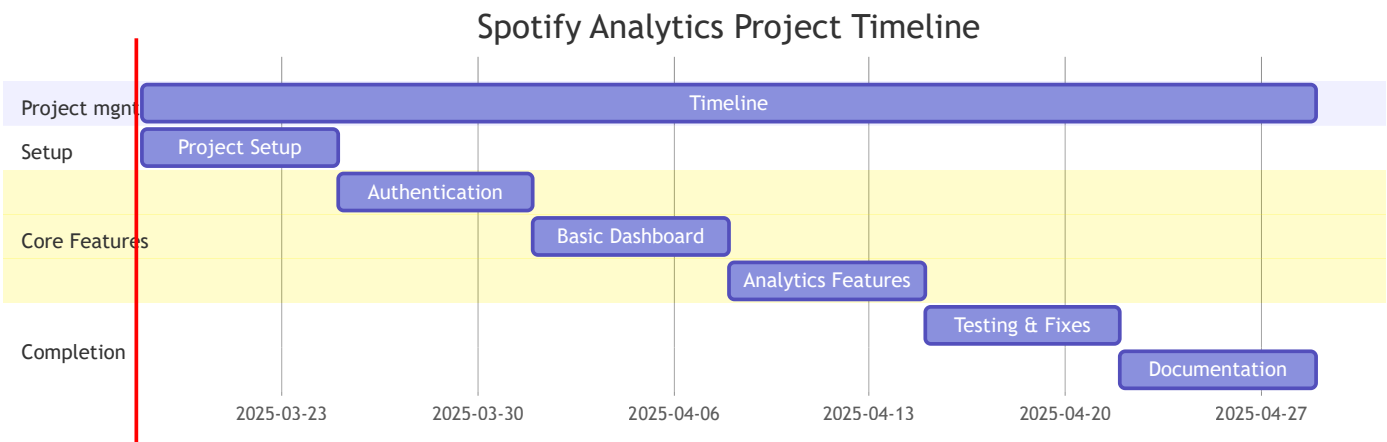
## 2.3 Analytics Features

- Track listing
- Basic playlist stats
- Simple charts
- Data export

## 2.4 Project Completion

- Testing
- Documentation
- Presentation prep

## 3. Timeline (Gantt Chart)



## 4. Project Resources (Budget Plan)

### 4.1 Development Tools

Item	Notes
IDE	VS Code (Free)
Version Control	GitHub
Development	Local machine
API	Spotify Developer (Free tier)

### 4.2 Learning Resources

- Django Documentation
- Spotify API Documentation
- YouTube Tutorials
- Stack Overflow

### 4.3 Team Members

Member	Primary Responsibility
Sempala Daniel	Backend Development
Masika Peace	Frontend Design
Aloysius Owen Jjuuko	Feature Implementation