Re-worked Menu System

Main Menu:

```markdown
=======================
    Welcome to BYOAI
=======================
1. Project Management
2. Model Management
3. Training and Deployment
4. Settings
5. Help
6. Exit
=======================
Select an option (1-6):
```

Project Management

```markdown
=======================
    Project Management
=======================
1. Create New Project
2. Open Existing Project
3. Delete Project
4. Back to Main Menu
=======================
Select an option (1-4):
```

Create New Project

```markdown
========================
    Create New Project
========================
Enter Project Name: [user_input]
Project [user_input] created successfully!
========================
1. Add Models
2. Add Data
3. Back to Project Management
========================
Select an option (1-3):
```

Open Existing Project

```markdown
========================
    Open Existing Project
========================
Available Projects:
1. Project1
2. Project2
3. Project3
========================
Enter Project Number to Open: [user_input]
========================
1. Manage Models
2. Manage Data
3. View Outputs
4. Back to Project Management
========================
Select an option (1-4):
```

Model Management

```markdown
=====================
   Model Management
=====================
1. List Available Models
2. Bundle Models
3. Customize Model
4. Back to Main Menu
=====================
Select an option (1-4):
```

List Available Models

```markdown
=====================
   Available Models
=====================
1. Model1
2. Model2
3. Model3
=====================
1. View Model Details
2. Back to Model Management
=====================
Select an option (1-2):
```

Bundle Models

```markdown
======================
    Bundle Models
======================
Available Models:
1. Model1
2. Model2
3. Model3
======================
Enter Model Numbers to Bundle (e.g., 1,2): [user_input]
Enter Output Model Name: [user_input]
Models bundled successfully!
======================
1. Customize Bundled Model
2. Back to Model Management
======================
Select an option (1-2):
```

Training and Deployment

```markdown
======================
Training & Deployment
======================
1. Train Model
2. Deploy Model
3. Back to Main Menu
======================
Select an option (1-3):
```

Train Model

```
========================
     Train Model                                5
========================
Available Models:
1. Model1
2. Model2
3. Model3
========================
Enter Model Number to Train: [user_input]
Enter Data Path: [user_input]
Training started for [ModelName] with data from [DataPath]
========================
1. Monitor Training Progress
2. Back to Training & Deployment
========================
Select an option (1-2):
```

Deploy Model

```markdown
========================
      Deploy Model
========================
Available Models:
1. Model1
2. Model2
3. Model3
========================
Enter Model Number to Deploy: [user_input]
Select Deployment Target:
1. Local
2. Cloud
3. Edge Device
========================
Deployment started for [ModelName] to [Target]
========================
1. Monitor Deployment Status
2. Back to Training & Deployment
========================
Select an option (1-2):
```

Settings

```markdown
========================
        Settings
========================
1. Configure Environment
2. Manage User Profiles
3. Back to Main Menu
========================
Select an option (1-3):
```

Help

```markdown
=====================
        Help
=====================
1. View Documentation
2. Tutorials
3. FAQs
4. Contact Support
5. Back to Main Menu
=====================
Select an option (1–5):
```

CLI Commands:

For advanced users who prefer using the CLI, we'll ensure all menu functionalities are also accessible via command-line commands.

- **Project Management**
  - Create New Project: byoaicli create-project my_project
  - Open Existing Project: byoaicli open-project my_project
  - Delete Project: byoaicli delete-project my_project

- **Model Management**
  - List Available Models: byoaicli list-models
  - Bundle Models: byoaicli bundle-models --models model1,model2 --output my_new_model
  - Customize Model: byoaicli customize-model --model

my_model --config /path/to/config.json

- **Training and Deployment**
    - Train Model: byoaicli train-model --model my_model --data /path/to/data
    - Deploy Model: byoaicli deploy-model --model my_model --target local

- **Settings**
    - Configure Environment: byoaicli configure-environment
    - Manage User Profiles: byoaicli manage-profiles

- **Help**
    - View Documentation: byoaicli view-docs
    - Tutorials: byoaicli view-tutorials
    - FAQs: byoaicli view-faqs
    - Contact Support: byoaicli contact-support

Summary
This re-worked menu system is designed to provide a smooth and intuitive user experience, while also offering advanced users the flexibility to use CLI commands. By aligning our menu system with the USER_EXPERIENCE.md document, we ensure a cohesive and user-friendly approach to managing projects, models, training, and deployment.