

# Profound UI

- **Duration: 5 days**

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## **Day 1 — Fundamentals & Environment Setup**

### **Objectives**

Understand the platform and start building basic screens.

### **Topics Covered**

#### **Introduction to Profound UI**

- What is Profound UI
- Use cases
- Architecture overview
- Components and workflow

#### **Environment Setup**

- Accessing the server
- Understanding the workspace
- Visual Designer interface

#### **Basic UI Development**

- Creating a new screen
- Using panels and layouts
- Adding widgets

#### **Core Widgets**

- Label
- Textbox
- Button
- Dropdown
- Checkbox

## **Hands-on Lab**

Build:

### **Login Screen**

Features:

- Username field
- Password field
- Login button
- Validation message

## **Day 2 — UI Development & Events**

### **Objectives**

Learn to build forms and handle user interactions.

### **Topics Covered**

#### **Layout & UI Design**

- Panels and containers
- Alignment and spacing
- Responsive layout basics

#### **Event Handling**

- Click event
- Change event
- Form submission

#### **Form Validation**

- Required fields
- Input validation
- Error messages

## **Hands-on Lab**

Build:

## **Registration Form**

Features:

- Input fields
- Validation
- Submit functionality

## **Day 3 — Data Handling & Navigation**

### **Objectives**

Connect UI to data and manage navigation.

### **Topics Covered**

#### **Data Handling**

- Data binding
- JSON handling
- Form submission

#### **Navigation**

- Page navigation
- Menu creation
- Routing between screens

#### **CRUD Operations**

- Create
- Read
- Update
- Delete

### **Hands-on Lab**

Build:

#### **Customer Management Screen**

Features:

- Add customer

- Edit customer
- Delete customer
- View list

## **Day 4 — API Integration & Advanced Components**

### **Objectives**

Integrate external systems and use advanced UI components.

### **Topics Covered**

#### **REST API Integration**

- API calls
- Response handling
- Error handling

#### **Advanced Components**

- Data Grid
- Modal dialog
- File upload
- Search and filtering

#### **Debugging Basics**

- Logs
- Error messages
- Troubleshooting

## **Day 5 — Performance Optimization & Debugging**

### **Focus**

Building scalable and efficient UI applications.

### **Topics Covered**

#### **Performance Optimization**

- UI rendering optimization
- Lazy loading

- Caching concepts

### **Debugging & Troubleshooting**

- Performance analysis
- Log review
- Common issue resolution