

Orbis: Fictional World Navigation System

UI Mockup

CPSC 471 - T03-7

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Contents

1	Introduction	1
2	Color Palette	2
3	Screen 1: Login/Welcome Screen	3
4	Screen 2: Dashboard/Map View	4
5	Screen 3: Location Creator	5
6	Screen 4: Route Details	6
7	Screen 5: User Profile	7
8	Typography	8
9	Key Features	8

1 Introduction

This document presents the user interface mockup for Orbis, a web-based navigation system for fictional worlds. The design follows a minimal aesthetic with muted colors, clean typography (Figtree font), and intuitive navigation.

2 Color Palette

Color System

Primary Colors:

- Primary Blue: `#2563eb` - Buttons, links, active states
- Dark Blue: `#1d4ed8` - Button hover states

Neutral Colors:

- White: `#ffffff` - Cards, panels, inputs
- Background Gray: `#f8f9fa` - Page background
- Light Gray: `#f3f4f6` - Hover states, secondary backgrounds
- Border Gray: `#e5e7eb` - Borders, dividers

Text Colors:

- Text Primary: `#1a1a1a` - Main text
- Text Secondary: `#6b7280` - Labels, metadata

Location Type Colors:

- Hotels: `#dbeafe` (light blue)
- Parks: `#d1fae5` (light green)
- Cafes: `#fef3c7` (light yellow)
- Restaurants: `#fce7f3` (light pink)
- Gas Stations: `#e0e7ff` (light indigo)
- Landmarks: `#f3e8ff` (light purple)

Status Colors:

- Success/Start: `#10b981` (green)
- Error/End: `#ef4444` (red)

3 Screen 1: Login/Welcome Screen

Entry point with split-screen layout: hero section showcasing features (left) and authentication form (right). Includes tab switching between Sign In and Sign Up modes.

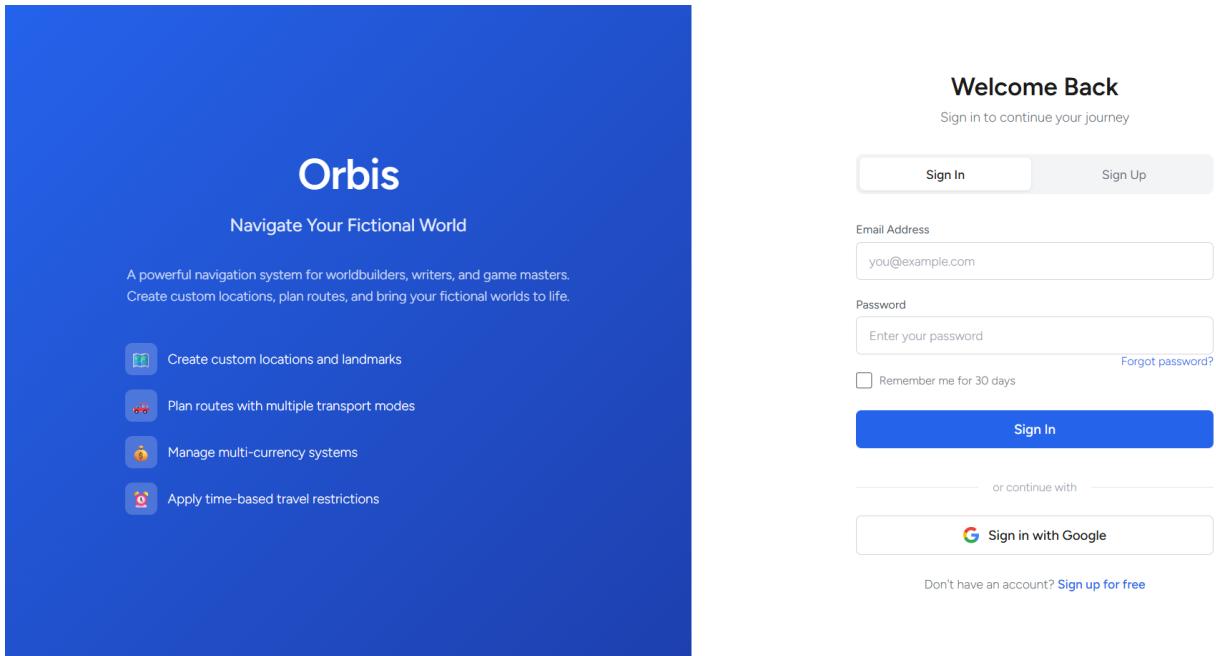


Figure 1: Login/Welcome Screen

4 Screen 2: Dashboard/Map View

Main interface with interactive map grid, sidebar filters for location types and transport modes, and bottom route planning panel showing distance, time, and cost calculations.

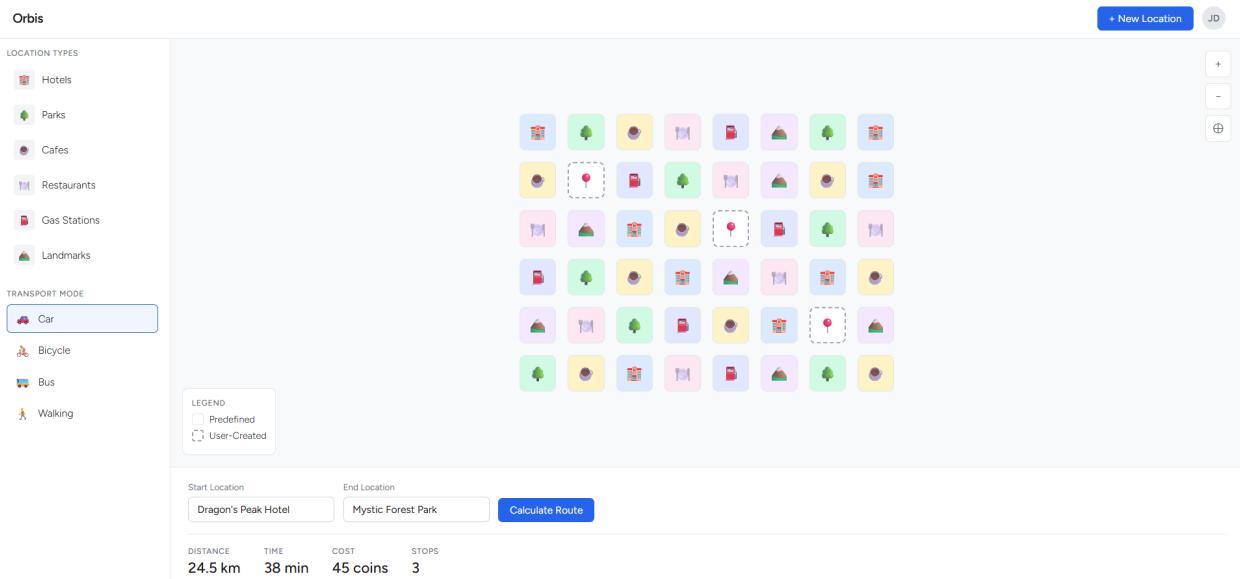


Figure 2: Dashboard/Map View

5 Screen 3: Location Creator

Comprehensive form for creating custom locations with sections for basic information, coordinates, capacity/facilities, accepted currencies, and optional landmark details. Includes live preview.

Orbis

← Back to Map

Create New Location

Add a custom location to your world map. All fields are required unless marked optional.

Basic Information

Location Name
e.g., Dragon's Peak Inn

Location Type
Select type... Yes No

Geographic Coordinates

Latitude
e.g., 51.5074

Longitude
e.g., -0.1278

Decimal degrees format

Optional

Connection Requirement
Your new location must connect to at least one existing location via a road. You'll select connections in the next step.

Capacity & Facilities

Maximum Capacity
e.g., 100

Parking Spaces
e.g., 20

Number of people
Optional

Accepted Currencies

Gold Coins
 Silver Marks
 Crystal Shards
 Ember Credits

Landmark Details (Optional)

Landmark Name
e.g., Ancient Tower

Landmark Category
Select category...

Description
Describe this landmark...

Preview

Dragon's Peak Inn
Hotel • Public • Capacity: 100 • Parking: 20 spaces

Cancel

Figure 3: Location Creator Form

6 Screen 4: Route Details

Split-view showing route visualization with start/end nodes (left) and detailed directions panel (right) including step-by-step navigation, time restrictions, and cost breakdown.

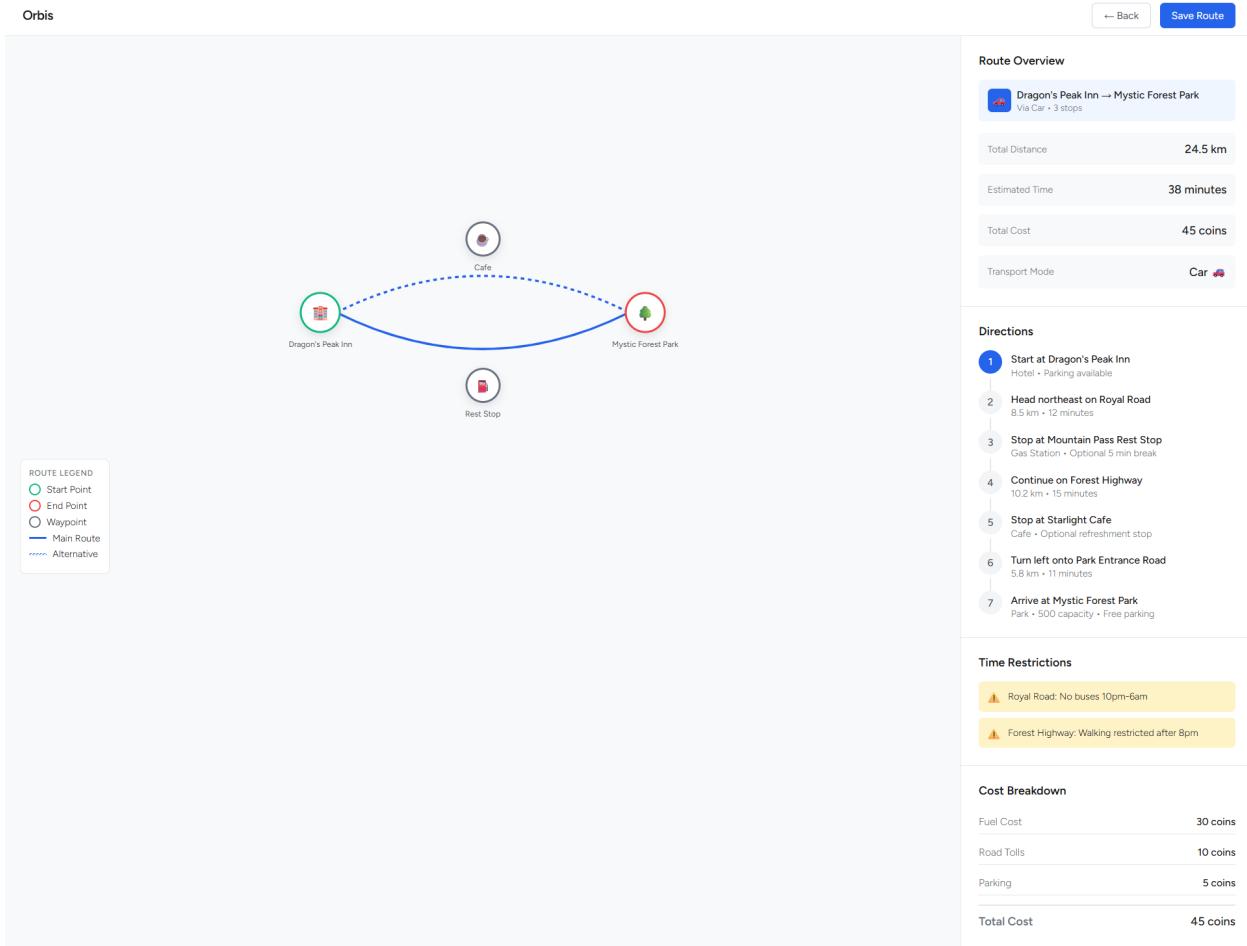


Figure 4: Route Details and Directions

7 Screen 5: User Profile

Personal dashboard displaying user information, statistics overview, list of created locations with edit/delete actions, and saved routes organized by tabs (Recent, Favorites, All).

The screenshot shows the Orbis user profile dashboard. At the top left is the 'Orbis' logo. At the top right is a 'Back to Map' button. The main area is divided into several sections:

- User Profile:** Shows a profile picture placeholder ('JD'), the name 'Jason Duong', the email 'jason.duong@example.com', and stats: 'Joined October 15, 2025', '12 Locations Created', and '25 Routes Planned'. There is also an 'Edit Profile' button.
- Overview:** Displays three summary boxes: '12 Locations Created', '25 Routes Planned', and '8 Landmarks Added'.
- My Locations:** A list of four locations with icons, names, descriptions, and edit/delete buttons:
 - Dragon's Peak Inn: Hotel • Capacity: 100 • Created Oct 18, 2025
 - Mystic Forest Park: Park • Capacity: 500 • Created Oct 19, 2025
 - Starlight Cafe: Cafe • Capacity: 40 • Created Oct 20, 2025
 - Golden Harvest Restaurant: Restaurant • Capacity: 80 • Created Oct 21, 2025
- Saved Routes:** A section with tabs for 'Recent', 'Favorites', and 'All Routes'. It lists three routes:
 - Dragon's Peak Inn → Mystic Forest Park: Car, 24.5 km, 38 min, 45 coins
 - Starlight Cafe → Golden Harvest Restaurant: Bicycle, 5.2 km, 18 min, Free
 - City Center → Ancient Ruins: Bus, 42.0 km, 65 min, 15 coins

Figure 5: User Profile and Content Management

8 Typography

- **Font Family:** Figtree (Google Fonts)
- **Weights:** 300 (body), 400 (regular), 500 (medium), 600 (headings)
- **Page Titles:** 28px, weight 600
- **Section Titles:** 16-18px, weight 500-600
- **Body Text:** 14-15px, weight 300-400
- **Labels:** 11-13px, weight 400

9 Key Features

- Minimal, clean design with consistent spacing
- Muted color palette focusing on blues, greens, and grays
- Interactive map with multiple location types
- Route planning with multiple transport modes (Car, Bicycle, Bus, Walking)
- Time-based restrictions and cost calculations
- Multi-currency support
- User authentication and content management