POURUP – MVP REQUIREMENTS DOCUMENT

1 · PROJECT OVERVIEW

PourUp is a cross-platform wine-tourism product that enables consumers to discover wineries, browse tasting and tour experiences, and book reservations. It also provides winery businesses with a web admin console to manage profiles, locations, experiences, availability, and bookings.

2 · TECHNOLOGY STACK

- **Backend**: .NET Core (C#)
- **Mobile App**: Flutter (Android / iOS)
- **Web App**: Angular
- **Database**: Azure SQL Server
- **Object / Image Storage**: Firebase Storage
- **Cloud & CI/CD**: Microsoft Azure + Azure DevOps pipelines
- **Email**: SendGrid
- **SMS**: Twilio
- **Maps & Geolocation**: Google Maps JavaScript & Flutter SDKs

3 · ROLES & PERMISSIONS

Role	How Created	Primary Capabilities
Business Owner	Self-registers by email.	• Create/maintain single Business record (name, logo, legal name, email, phone). • Add unlimited Locations. • Assign Location Managers (creates credentials). • Choose booking model (Appointment-based vs. Automatic) per experience.
Location Manager	Invited by Business Owner (no self-signup).	• Access only assigned locations. • CRUD: Winery, Vineyard, Tasting Room details,

		experiences, menus, time slots, images, tags. • Respond to Pending bookings (Accept/Decline).
End User	Email sign-up / login / password reset.	• Maintain personal profile (name, email, DOB, preferences). • Discover wineries, vineyards, tasting rooms, experiences & menus, book slots. • Edit/cancel a booking while the status is pending.

4 · BUSINESS & LOCATION STRUCTURE

- One Business can have multiple Locations.
- **Per Location fields**:
  - Multiple Business Types (Winery, Vineyard, Tasting Room).
  - Operating hours, tags, images.
  - Custom social-media links.
- Bookings are available for Experiences offered by any Business Type (Winery, Vineyard, Tasting Room).
- **Experiences**: Each Business Type at a Location can offer multiple Experiences (Tastings or Tours).

5 · EXPERIENCE MANAGEMENT

Each Business Type (Winery, Vineyard, Tasting Room) at a Location can define multiple Experiences:

- **Experience Types**:
  - **Tasting**: Includes optional Tasting Menu.
  - **Tour**: Examples include vineyard walks, cellar tours, etc.
- **Experience Fields**:
  - **Title**: Name of the experience (e.g., "Reserve Tasting Flight", "Vineyard Walking Tour").
  - **Description**: Overview of the experience (e.g., "Sample 5 premium wines with a guided explanation." or "Join us for a private tour through our estate vineyard.").
  - **Images**: One or more images associated with the experience (e.g., photos of the tasting setup or tour route).
  - **Price Per Person**: Cost for each guest.
  - **Max Group Size**: Limit on the number of guests per time slot.

- ○ **Menu (Optional)**: Selectable if the experience includes options (e.g., tasting menu, "Tour + Glass of Wine" package).
    - ○ **Active / Inactive Toggle**: Controls visibility for booking.
- ● **Booking Model**:
    - ○ **Appointment-Based**: User requests enter Pending; Location Manager or Business Owner must accept/decline.
    - ○ **Auto-Approved**: Booking is confirmed instantly.
- ● **Time Slots**: Defined per Experience (see Section 7).

6 · MENU MANAGEMENT

For each Experience (Tasting or Tour), the Location Manager may create multiple menus:

- ● **Title**: Name of the menu.
- ● **Description**: Details of the menu.
- ● **Price Per Person**: Additional cost, if applicable.
- ● **Active / Inactive Toggle**: Controls availability.
- ● **Booking Rule**: Users must choose exactly one menu per person in the group (if menus are offered). If no menu is required, users book based on time, group size, and price.

7 · TIME SLOT MANAGEMENT

Each Experience (Tasting or Tour) may define multiple time slots:

- ● **Start Time**: When the experience begins.
- ● **End Time**: When the experience ends.
- ● **Max Capacity Party Size**: Maximum number of people per slot.
- ● **Availability**: Yes/No toggle to enable/disable booking.
- ● **Capacity Tracking**: Decremented as confirmed bookings are recorded.

8 · BOOKING & USER FLOW

- ● **Steps**:
    - ○ Select a Location and Business Type (Winery, Vineyard, Tasting Room).
    - ○ Select an Experience (Tasting or Tour).
    - ○ Choose: Date, Time Slot, Group Size, Menu (one per guest, if applicable).
- ● **Validation**: Time slot must have sufficient capacity for the group size.
- ● **Status**:
    - ○ **Appointment-Based**: Booking created as Pending; must be confirmed/declined by Location Manager or Business Owner.
    - ○ **Auto-Approved**: Booking created as Confirmed.
- ● **User Actions**: Edit/cancel bookings only while in Pending status.

- **Notifications**: Email + SMS for confirmation, acceptance, decline, and 24-hour reminder.

9 · WINERY DISCOVERY & LISTINGS

- **Views**: List & grid views with filters (region, wine type/varietal, pet-friendly, family-friendly, amenities, distance, price).
- **Search**: Auto-complete by name, region, wineries, vineyards, tasting rooms, or experiences.
- **Profile Pages**: Description, hours, contact, amenities, photos, experiences (Tastings and Tours), and menus.
- **Interactive Map**: Pins for locations; hover/tap shows summary card.
- **Listings**: Include wineries, vineyards, tasting rooms, and their experiences.
- **Detail Pages**: Each experience (Tasting or Tour) has its own detail page, including associated images.

10 · AUTHENTICATION & PROFILES

- **Authentication**: Email sign-up/login with JWT tokens; forgot-password flow.
- **Profiles**:
    - **End User**: Edit name, email, DOB, preferences.
    - **Business Owner & Location Manager**: Use same auth mechanism.

11 · WINERY ADMIN PANEL (WEB)

- **Business Profile**: Edit name, legal name, logo, hero images, contact email & phone, website, company description, global social-media links.
- **Location Management**: Create, edit, archive locations. Define address (Google Maps lookup), Business Types (Winery, Vineyard, Tasting Room), operating hours, tags, images, galleries.
- **Experience Management**: Add, edit, archive Experiences (Tastings or Tours) for each Business Type. Set booking model (Appointment-Based or Auto-Approved), title, description, images, price, max group size, and menus (if applicable).
- **Menu Management**: Create and manage menus (title, description, price per person, active/inactive) and assign to Experiences.
- **Time Slot Management**: Add time slots (start, end, capacity, availability) for Experiences.
- **Role Management**: Create credentials for Location Managers; share offline.
- **Booking Dashboard**: Unified view of all bookings across locations, Business Types, and Experiences with filters (status, date, location, experience).
- **Booking Confirmation**: For Appointment-Based Experiences, accept/decline pending requests. Once accepted/declined, bookings cannot be edited.

12 · NOTIFICATIONS & COMMUNICATION

Event	Channel	Recipient
Booking created (pending/confirmed)	Email + SMS	User, Location Manager, Business Owner
Booking accepted	Email + SMS	User, Location Manager, Business Owner
Booking declined	Email + SMS	User, Location Manager, Business Owner
24-hour reminder	Email + SMS	User, Location Manager, Business Owner

Services: SendGrid for email, Twilio for SMS.

13 · MAP INTEGRATION

- **Admin**: Google Maps address lookup on forms.
- **Consumer**: Map view with winery pins and region filter on web and mobile.

14 · POST-MVP BACKLOG (OUT OF SCOPE)

- Events & RSVP
- Reviews & ratings
- Itinerary builder
- AI-driven recommendations
- Gamification & badges
- Social sharing
- Same-day booking flow
- Anything beyond this document