

WEEK 3 — Booking system and seat selection

Goal:

Build the complete booking flow including seat selection, passenger information, and ticket generation.

User Portal / Seat Selection

Create interactive seat map component (~6 hours)

Build visual seat map with clickable seats, different seat types, and status indicators.

| Team member: Frontend developer (Ân)

Implement seat locking mechanism (~4 hours)

Create temporary seat reservation system to prevent double bookings during checkout.

| Team member: Backend developer (Ân)

Develop seat availability updates (~3 hours)

Implement WebSocket or polling to show real-time seat status changes.

| Team member: Full-stack developer (Hạnh)

Create seat selection validation logic (~2 hours)

Add validation to prevent selecting unavailable seats and enforce seat limits.

| Team member: Backend developer (Ân)

User Portal / Booking Flow

Build passenger information collection forms (~3 hours)

Create forms to collect passenger details (name, ID, phone) for each selected seat.

| Team member: Frontend developer (Hạnh)

Implement booking creation and management (~6 hours)

Build backend API to create bookings, manage booking states, and handle expiration.

| Team member: Backend developer (Ân)

Create booking summary and review interface (~3 hours)

Design booking review page showing trip details, passengers, and total cost.

| Team member: Frontend developer (Hạnh)

Develop booking history and management dashboard (~4 hours)

Build user dashboard to view, modify, and cancel existing bookings.

| Team member: Full-stack developer (Hạnh)

User Portal / Guest Services

Implement guest checkout flow without registration (~3 hours)

Allow users to book tickets without creating an account, collecting minimal required info.

| Team member: Full-stack developer (Hạnh)

Create guest booking lookup system (~2 hours)

Build system for guests to retrieve bookings using reference phone number or email.

| Team member: Backend developer (Ân)

Setup booking reference generation (~1 hour)

Create unique, user-friendly booking reference number generation system.

| Team member: Backend developer (Ân)

User Portal / Ticketing

Create e-ticket download and email delivery (~2 hours)

Implement download functionality and automatic email delivery of e-tickets.

| Team member: Backend developer (Ân)

Design e-ticket template with branding (~1 hour)

Design professional e-ticket layout with company branding and essential information.

| Team member: Frontend developer (Hạnh)