

REPORTE (MVC)

T5 primeCoders: leader: Ricardo Lainez

URL github: <https://github.com/Jeancarlospp/Bocatto.git>

URL web page: <https://bocatto-nu.vercel.app/>

- Payment methods and coupon support

1.5 Order Controller (Backend)

- Order creation from cart
- Order retrieval and status management✓
- Stock and coupon validation
- Order statistics support✓

2. Coupons & reviews

- Create the coupon model in the database✓
- Create the coupon usage tracking record✓
- Create the logic to manage coupons✓
- Create coupon routes on the server✓
- Add coupon fields to orders✓
- Integrate coupon validation at checkout✓
- Add the function to validate coupons from the frontend✓
- Add the coupon input field on the checkout screen✓
- Display coupon discount on order history✓
- Create the admin view for coupon usage
- Create the review model in the database✓
- Create the logic to manage reviews✓
- Create review routes on the server✓
- Create the star rating component✓
- Add the functions to handle reviews from the frontend
- Add the review form for delivered orders✓
- Create the review moderation page for the admin✓
- Create the form for admin to respond to reviews✓
- Display approved reviews on products publicly

3. Reservation & Area Management

BACKEND (18 Tasks)

- Implement reservation overlap detection algorithm for concurrent bookings
- Create GET /reservations/availability endpoint with date range filters
- Build capacity validation logic (guestCount vs area min/max)
- Add reservation duration constraints (minimum 1 hour, maximum 4 hours)
- Implement automatic status updates (pending → expired after 15 minutes)

- Create GET /reservations/by-location/:locationId endpoint
- Build conflict resolver for simultaneous booking requests (transaction locks)
- Add PUT /reservations/:id/cancel with refund policy validation
- Implement reservation modification with availability re-check
- Create database indexes for area + startTime + endTime queries
- Build aggregation pipeline for reservation analytics (daily/weekly stats)
- Add location-area relationship validation in reservationController
- Implement webhook notifications for reservation status changes
- Create GET /areas/by-location/:locationId endpoint with availability
- Add reservation history archival (completed reservations older than 90 days)
- Build payment method integration validation
- Implement reservation confirmation email trigger system
- Add comprehensive input sanitization and error handling

FRONTEND (17 Tasks)

- Build interactive calendar component showing area availability by date
- Create multi-step reservation wizard (select area → choose time → guest details)
- Implement real-time capacity display (e.g., "8/12 seats available")
- Design admin reservation management table with filters (status, date, area)
- Build time slot picker with 30-minute intervals and disabled unavailable slots
- Create reservation confirmation modal with booking summary
- Implement drag-and-drop reservation rescheduling in admin panel
- Build area card gallery with filters (capacity, features, location)
- Create My Reservations page for authenticated users (upcoming/past)
- Implement reservation cancellation flow with confirmation dialog
- Build admin area CRUD interface with image upload preview
- Add location selector dropdown in reservation form
- Create notification toast system for booking confirmations and errors
- Implement mobile-responsive design for reservation calendar
- Build search and filter bar for reservation list (date range, status, user)
- Add loading states and optimistic UI updates for reservation actions
- Create accessibility features (ARIA labels, keyboard navigation, focus management)

Clean Code	Report	MVC
9.5	9.5	9.4

