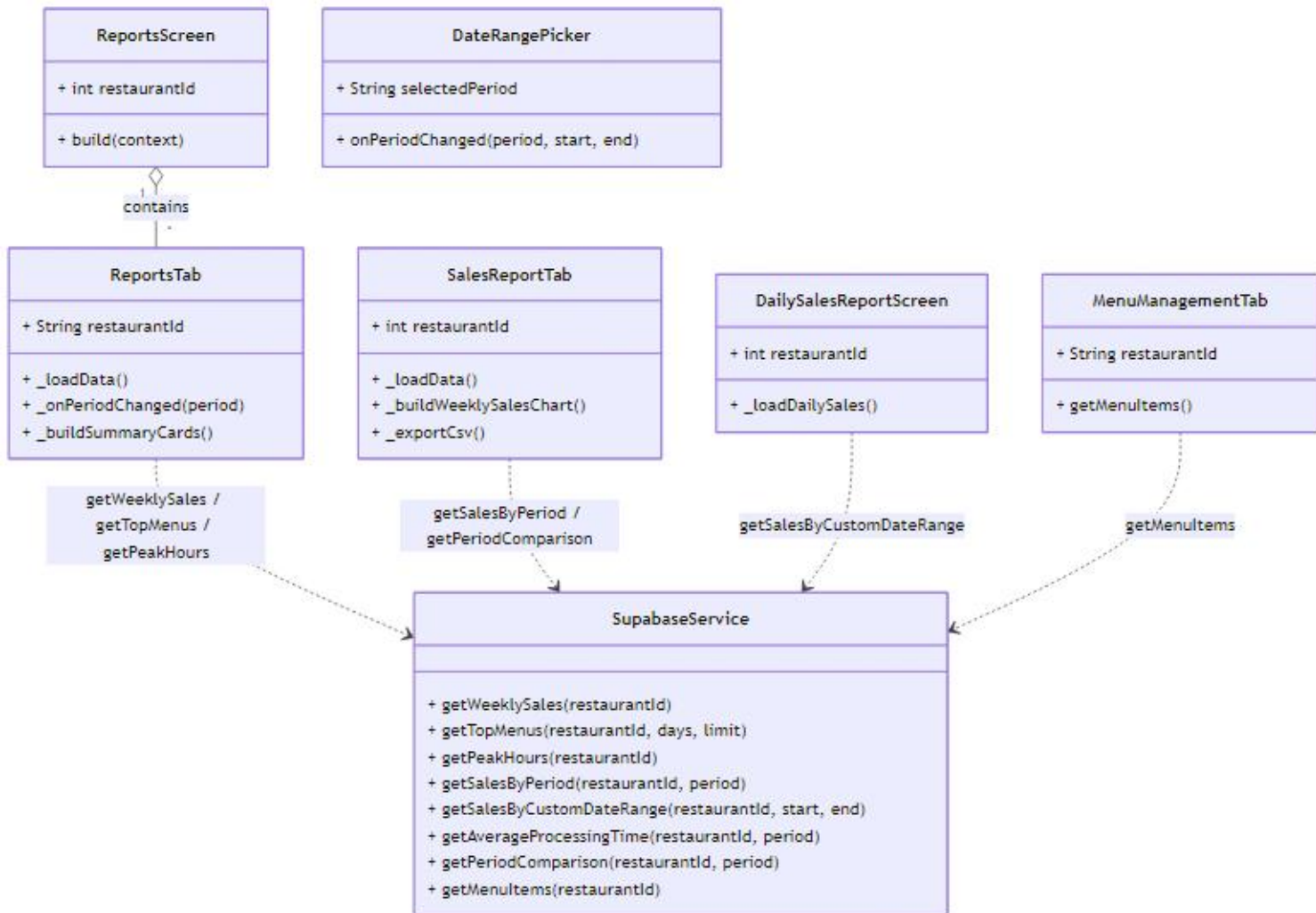## RestaurantDashboardV2

+ String restaurantId
+ String restaurantName

+ build(context)

OrdersManagementScreen

+ int restaurantId

+ _loadOrders()
+ _setupRealtimeSubscription()
+ _showOrderDetails(order)
+ _confirmOrder(orderId)
+ _startPreparing(orderId)
+ _markAsReady(orderId)
+ _cancelOrder(orderId)

OrdersTab

+ _loadOrders()
+ _buildOrderCard(order)
+ _confirmOrder(orderId)
+ _rejectOrder(orderId)

RealtimeChannel

+ subscribe(channel)
+ onChange(callback)
+ unsubscribe()

SupabaseService

+ getRestaurantOrders(restaurantId)
+ setupOrdersRealtimeSubscription(restaurantId, callback)
+ updateOrderStatus(orderId, status)
+ cancelOrder(orderId, reason)

ReportsScreen

+ int restaurantId

+ build(context)

DateRangePicker

+ String selectedPeriod

+ onPeriodChanged(period, start, end)

contains
1

ReportsTab

+ String restaurantId

+ _loadData()
+ _onPeriodChanged(period)
+ _buildSummaryCards()

SalesReportTab

+ int restaurantId

+ _loadData()
+ _buildWeeklySalesChart()
+ _exportCsv()

DailySalesReportScreen

+ int restaurantId

+ _loadDailySales()

MenuManagementTab

+ String restaurantId

+ getMenuItems()

getWeeklySales /
getTopMenus /
getPeakHours

getSalesByPeriod /
getPeriodComparison

getSalesByCustomDateRange

getMenuItems

SupabaseService

+ getWeeklySales(restaurantId)
+ getTopMenus(restaurantId, days, limit)
+ getPeakHours(restaurantId)
+ getSalesByPeriod(restaurantId, period)
+ getSalesByCustomDateRange(restaurantId, start, end)
+ getAverageProcessingTime(restaurantId, period)
+ getPeriodComparison(restaurantId, period)
+ getMenuItems(restaurantId)

PaymentScreen

- double totalAmount
- int itemCount
- int restaurantId
- String restaurantName
- CartService _cartService
- bool _isCreatingOrder
- String? _restaurantQrCodeUrl

- Future _loadStudentId()
- Future _confirmPayment()
- Future _uploadSlip()

OrderStatusScreen

- TabController _tabController
- List> orders

- Future _setupRealtime()
- Future _cancelOrder(int orderId)
- Future _confirmPickup(int orderId)

HistoryScreenInner

- String studentId
- List _readyOrders
- List _completedOrders

- Future _loadOrders()
- Future _confirmPickup(int orderId)

EditProfileScreen

- TextEditingController _usernameController
- TextEditingController _firstNameController
- TextEditingController _lastNameController
- TextEditingController _phoneController
- String? _profileImageUrl

- Future _loadUserProfile()
- Future _saveProfile()
- Future _uploadProfileImage(file)

SupabaseService

- SupabaseClient _client

+ Future<> getRestaurants()
+ Future<> getMenuItems(int restaurantId)
+ Future<> createOrder(String studentId, int restaurantId, double totalAmount, List<map> cartItems) : </map>
+ Future<> getOrderById(int orderId)
+ Future<> getStudentOrders(String studentId)
+ Future<> getRestaurantOrders(int restaurantId)
+ Future updateOrderStatus(int orderId, String newStatus)
+ Future uploadPaymentSlip(String filePath, int orderId)
     + RealtimeChannel setupOrdersRealtimeSubscription(int restaurantId, Function

  onChange)

+ Future<> getStudentProfile(String studentId)
+ Future updateStudentProfile(String studentId, Map data)

CartService

- List<> _cartItems
+ List<> cartItems
+ int totalItems
+ double totalAmount
+ String? currentRestaurantId
+ String? currentRestaurantName

+ void addToCart(Map menuItem, String restaurantId, String restaurantName)
+ void removeFromCart(int index)
+ void clearCart()
+ void increaseQuantity(int index)
+ void decreaseQuantity(int index)
+ void updateSpecialRequest(int index, String request)

StudentUser

+ String userId
+ String studentId
+ String fullName
+ String email
+ String? phoneNumber
+ String? profileImageUrl
+ bool isStudentVerified

RealtimeChannel

+ String channelName

+ subscribe()
+ onChange(callback)
+ unsubscribe()

MenuItem

+ int id
+ String name
+ double price
+ String? imageUrl
+ String category
+ bool isAvailable

Order

+ int id
+ String studentId
+ int restaurantId
+ double totalAmount
+ int totalItems
+ String status
+ String? paymentSlipUrl
+ DateTime? createdAt
+ List items

OrderItem

+ int id
+ int orderId
+ String foodName
+ double price
+ int quantity

fetches

creates/updates

contains

HomeScreen

+ TextEditingController _searchController
+ List> restaurants
+ List> filteredRestaurants
+ String selectedCategory

+ Future _loadRestaurants()
+ void _filterRestaurants(String query)
+ void openRestaurant(String restaurantId)

OrderStatusScreen

+ int orderId
+ TabController _tabController
+ List> orders

+ Future getOrdersByStatus(String status)
+ Future _cancelOrder(int orderId)

open restaurant

profile action

open history

DetailRestaurantScreen

+ String restaurantId
+ String restaurantName
+ List<menuitem> menuItems</menuitem>
+ bool isLoadingMenu

+ Future _loadMenuItems()
+ void addToCart(Map menuItem)

ProfileScreen

+ Future loadProfile()
+ Future updateProfile()

HistoryScreen

+ String studentId
+ List _readyOrders
+ List _completedOrders

+ Future _loadOrders()
+ Future _confirmPickup(int orderId)

add to cart -> open cart

FoodOrderScreen

+ CartService cart
+ List> cartItems
+ double totalAmount
+ int totalItems

+ void _increaseQuantity(int index)
+ void _decreaseQuantity(int index)
+ void checkout()

checkout -> payment

PaymentScreen

+ double totalAmount
+ int itemCount
+ int restaurantId
+ String restaurantName

+ Future confirmPayment()
+ Future _pickSlipImage()
+ Future _uploadSlip()