

# Task: Build the Meeting Room Listing Module for MyTEC App

You'll develop a Flutter-based meeting room listing module with filtering capabilities and robust state management. This is a core booking feature that helps users discover and filter available meeting rooms.

## Scope:

- Build the complete meeting room listing interface with filter functionality
- Implement clean state management architecture
- Integrate with the provided API endpoints
- Focus on English language support only
- Module ends at room listing (checkout is out of scope)

## Evaluation Criteria:

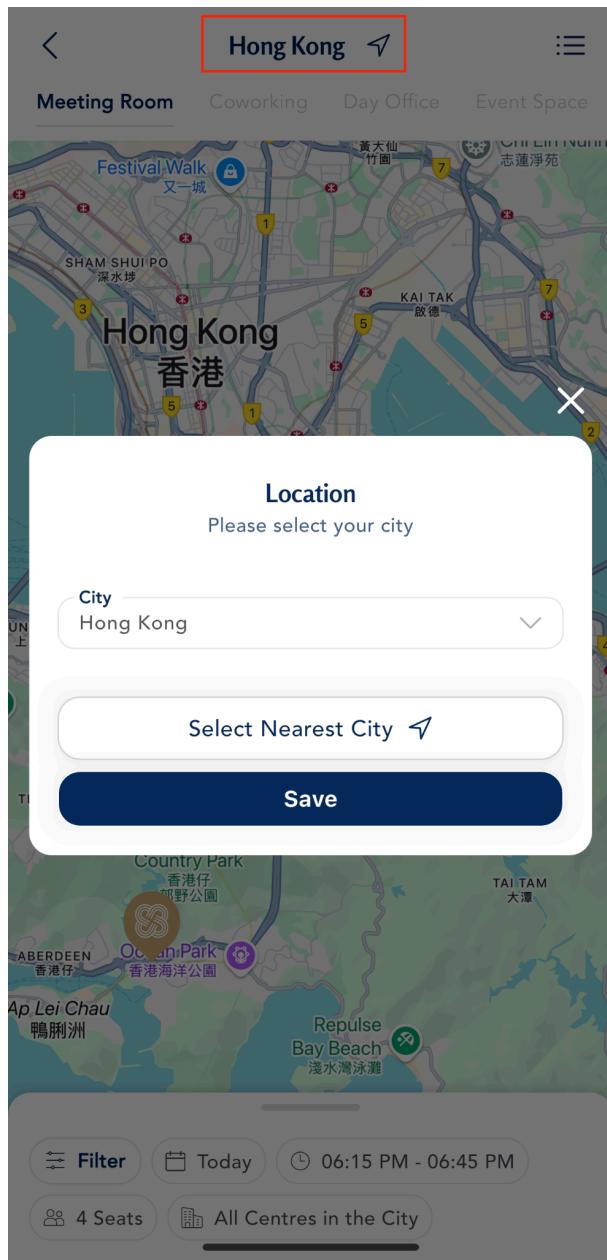
We'll assess your work based on code quality, UI functionality, API integration efficiency, and state management approach. Pixel-perfect design matching isn't required—use your best judgment for colors, spacing, and styling. Feel free to use any free icon resources.

## Requirements & Reference:

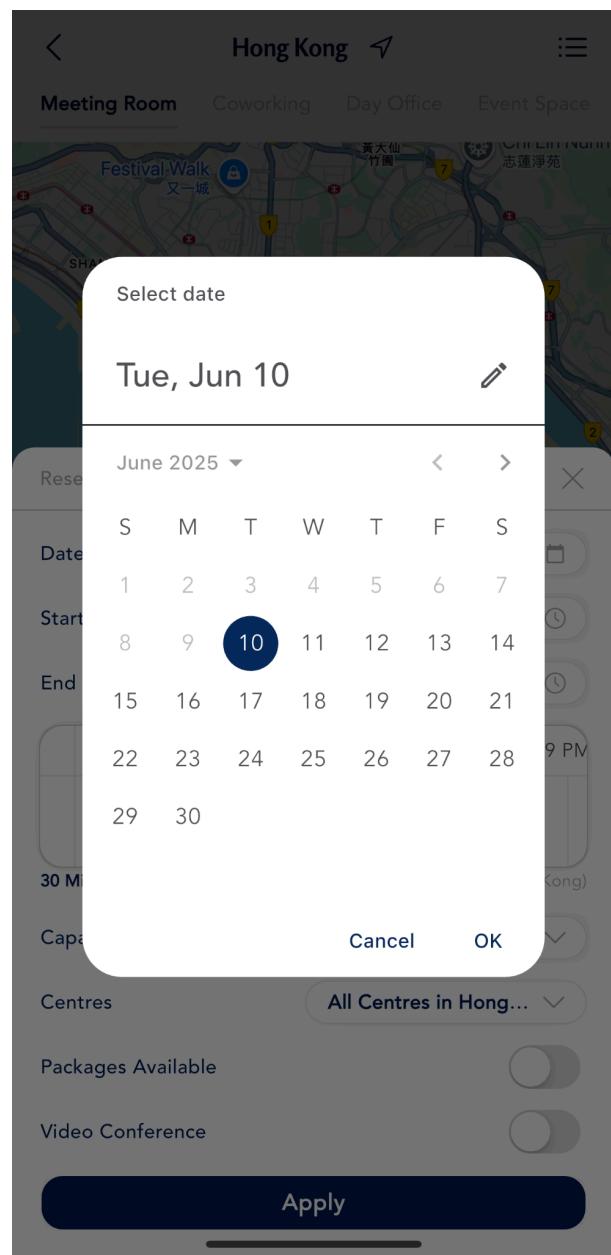
To see the expected functionality, download the MyTEC App and navigate: "View as Guest" → "Service" → "Make a Booking". This shows the production version, which may differ from the Postman collection of UAT data.

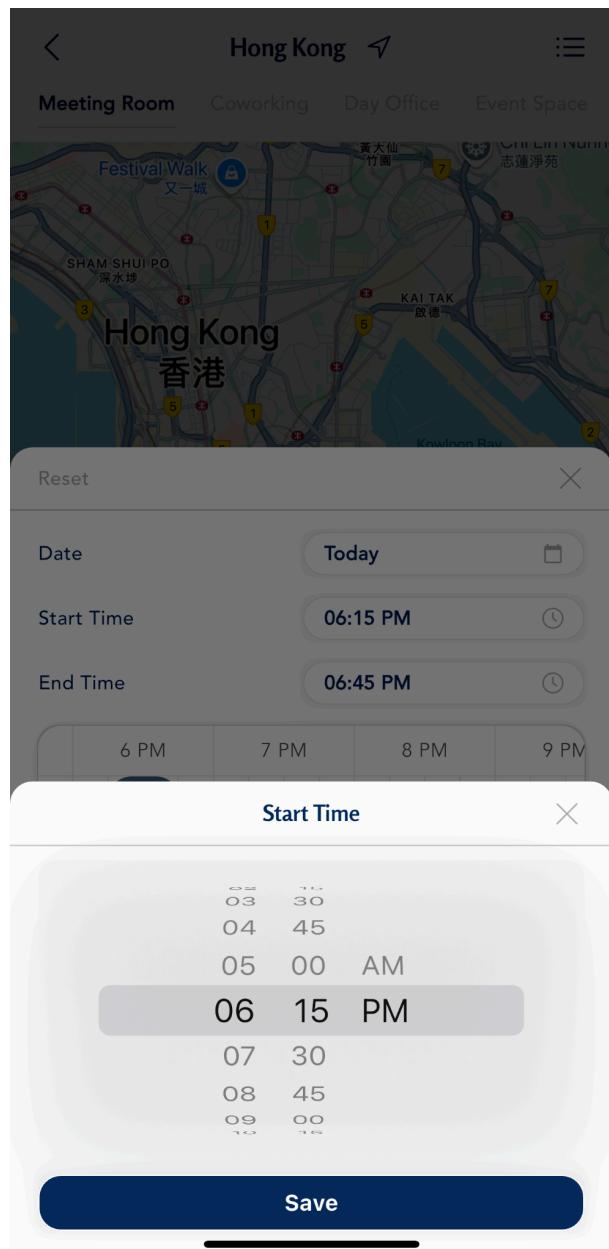
1. **System support** - <https://www.executivecentre.com/mytec-app/#faq>
2. **Data Integration** - please use the Postman collection attached in the email
  - a. `centreCode` from the **Get Room Info API** matches one of the values in `newCentreCodesForMtCore` from the **Get Centre API**
3. **Filters** - fully functional filters, including reset

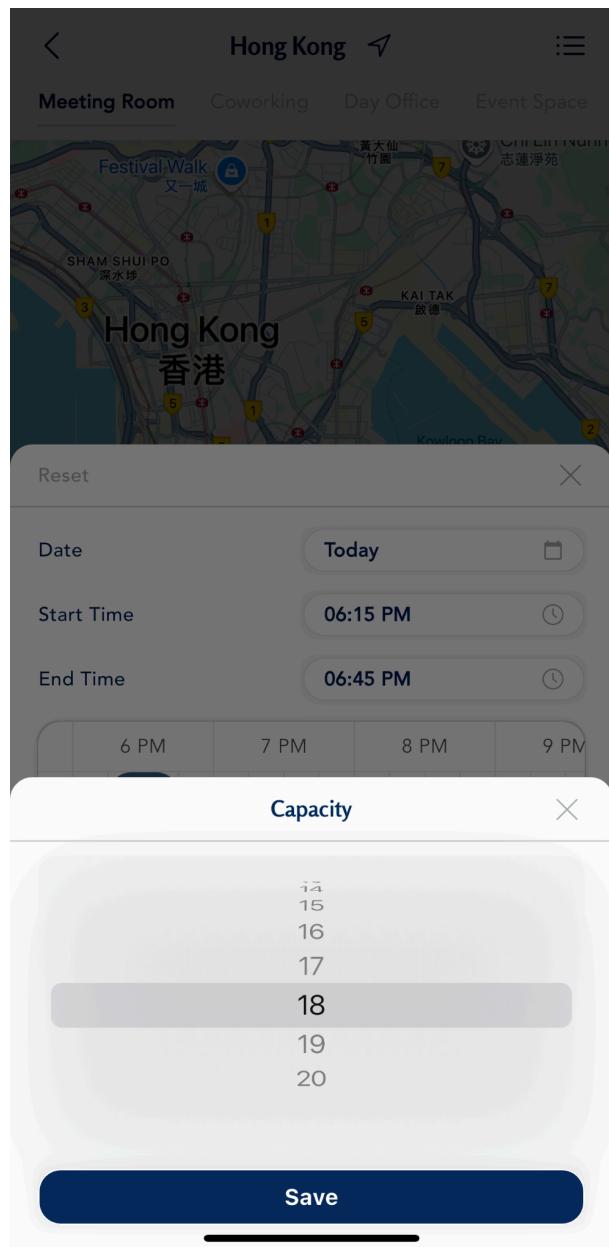
a. City filter



- b. Date, Start/End Time, Capacity, Centre, and Video Conference filters
- Capacity min 1 max 20
  - Please skip the red crossed out areas as they're not in scope







Hong Kong

Meeting Room Coworking Day Office Event Space

Reset

Date: All Centres in Hong Kong... ✓

Start Time: Two Chinachem Central

End Time: One IFC Hong Kong

Capacity: Two Pacific Place

Centres: AIA Central

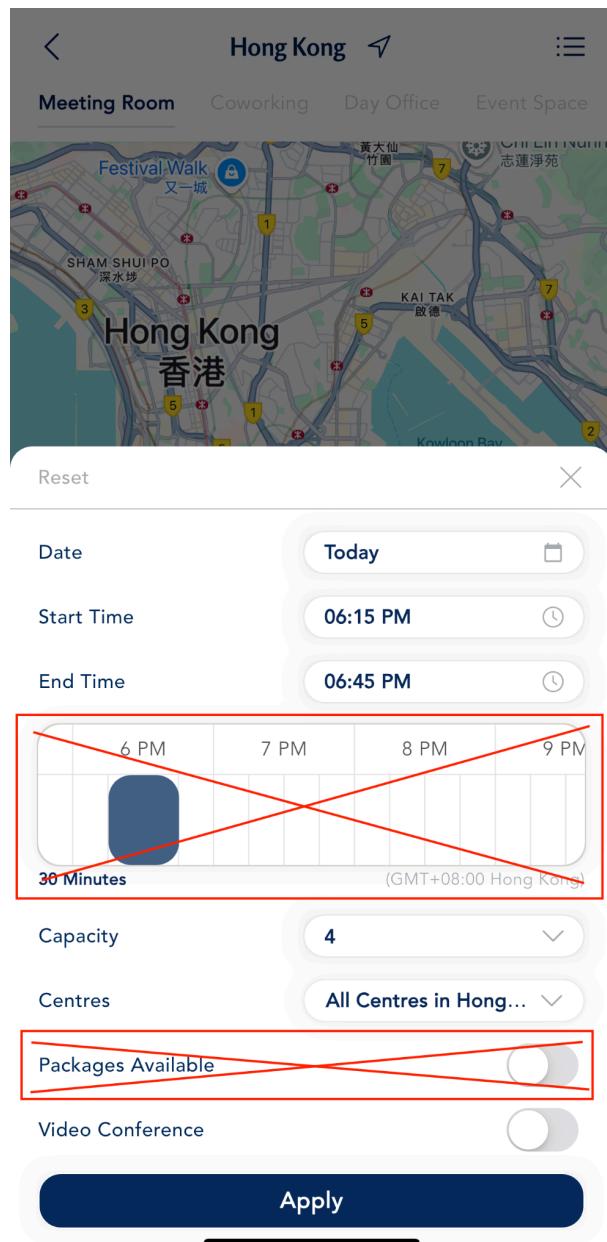
Packages Available: 30 Stanley Street

Video Conference: Prosperity Tower

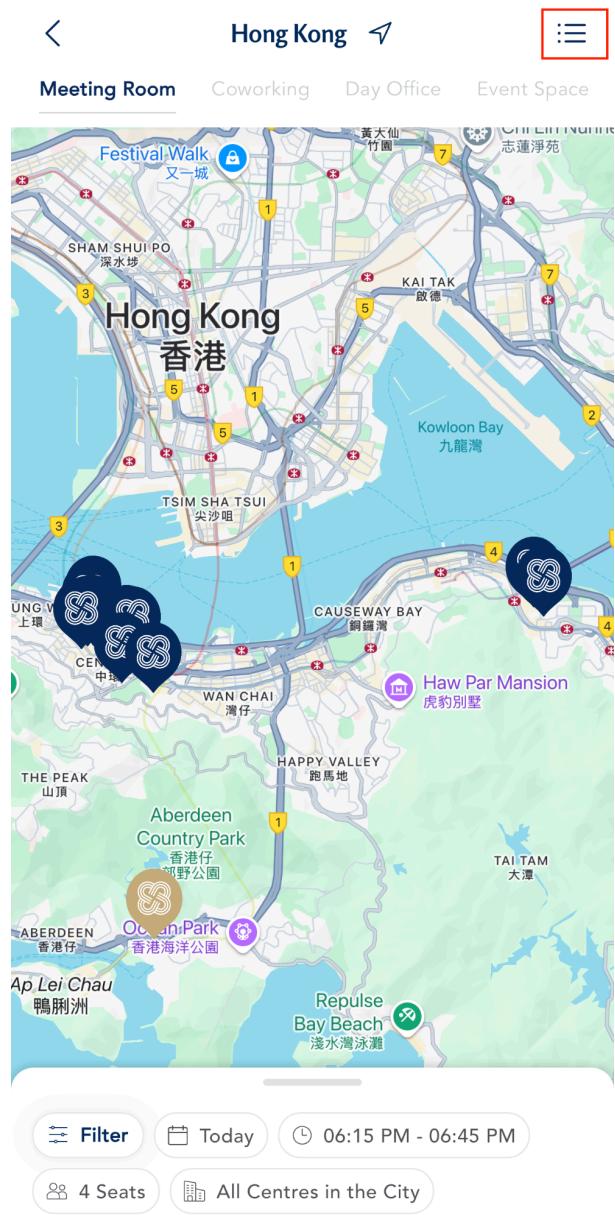
Three Garden Road

All Centres in Hong Kong...

Apply



- Views - not required to include real map functionality, a static image may be used as a placeholder (the goal is to demonstrate smooth view switching and proper state handling, not map integration)



a. Map view - full map

b. Map view - half map

Hong Kong

Meeting Room Coworking Day Office Event Space

The Factory

L3, Room L3-Boardroom  
The Factory, 341m distance  
14 Seats      HKD 0.00 / hour

### c. Listing view

The screenshot shows a mobile application interface for booking meeting rooms. At the top, there is a back arrow, the text "Hong Kong" with a location pin icon, and tabs for "Meeting Room", "Coworking", "Day Office", and "Event Space". Below the tabs are several filter buttons: "Filter", "Today", "06:15 PM - 06:45 PM", "4 Seats", and "All Centres in the City".

The main content area displays two room listings:

- L3, Room L3-Boardroom**  
The Factory, 341m distance  
14 Seats      HKD 0.00 / hour
- L3, Room L3-Media**  
The Factory, 341m distance  
4 Seats      HKD 0.00 / hour

Each listing includes a thumbnail image of the room, its name, address, seat capacity, price per hour, and a small horizontal bar at the bottom.

5. **User Interaction** - smooth animations/transitions between views, filtering, pull-to-refresh, and other interactions

## Deliverable

A GitHub repository or ZIP file containing:

- Full source code
- A README with:
  - Setup/build instructions
  - Architecture overview

- Any assumptions or known issues