PROG D

ICE TASK 2

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Check Location

Build Location and Display data function

```
private fun buildLocationRequest(): LocationRequest {

val locationRequest = LocationRequest.)

locationRequest.priority = LocationRequest.PRIORITY_HIGH_ACCURACY

locationRequest.fastestInterval = 3000

return locationRequest

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1Usage

private fun buildLocationCallback(): LocationCallback {

return object : LocationCallback() {

override fun onLocationResult(locationResult: LocationResult) {

val location = locationResult: LocationResult: $location")

model.setLocation("${location.latitude},${location.longitude}")

}

1Usage

fun displayData(location: AccuWeatherLocation) {

if (location.Key.isNullOrEmpty()) {

Log.i( lag = "MainActivity2", msg = "Cannot display tabs: location key is null")

return

}

Log.i( tag = "MainActivity2", msg = "Creating tabs for key: ${location.Key}")

val sectionsPagerAdapter = SectionsPagerAdapter(

context = this,

"""

val locationRequest.PrioRityTyHiGH_ACCURACY

locationRequest.PrioRityTyHiGH_ACCURACY

locationRequest.PrioRityTyHiGH_ACCURACY

locationRequest.PrioRityHiGH_ACCURACY

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locationRequest.PrioRityHiGH_ACCURACY

locationRequest.prioRityHiGH_ACCURACY

locationCallback(): LocationCallback {

return object : LocationCallback(): LocationCallback {

return object : LocationCallback {

return
```

Fetch Current Weather

IAccuweather

```
@GET( value = "forecasts/v1/daily/5day/{locationKey}")
suspend fun getFiveDayForecast(
    @Path( value = "locationKey") locationKey: String?,
    @Query( value = "apikey") apiKey: String?,
    @Query( value = "metric") metric: Boolean
): FiveDayForecast?
@GET( value = "currentconditions/v1/{locationKey}")
suspend fun getCurrentWeather(
    @Path( value = "locationKey") locationKey: String?,
    @Query( value = "apikey") apiKey: String?
): List<CurrentWeather?>?
@GET( value = "locations/v1/cities/geoposition/search")
suspend fun getLocationByPosition(
    @Query( value = "q") geoposition: String?,
    @Query( value = "apikey") apiKey: String?
): AccuWeatherLocation?
```

Section Page Adapter

Current Conditions Model

```
Insage

class CurrentConditionsViewModel : ViewModel() {

3 Usages

private val _currentConditions = MutableLiveData<List<CurrentWeather>>()

1 Usage

val currentWeather: LiveData<List<CurrentWeather>> = _currentConditions

1 Usage

fun getCurrentWeather(locationKey: String) {

viewModelScope.launch {

try {

val weatherData = RetrofitClient.weatherService

?.getCurrentWeather(locationKey, aplKey = BuildConfig.ACCUWEATHER_API_KEY)

// weatherData is List<CurrentWeather?>?

// Assign non-null list or empty list to LiveData

_currentConditions.value = weatherData?.filterNotNull() ?: emptyList()

} catch (e: Exception) {

// Handle errors by clearing or logging
 _currentConditions.value = emptyList()

}

}

}
```