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# NASA NWs

## REVIEW

### CODE REVIEW 16

## HISTORY

## Meets Specifications

Hello Dear Student!

Your code is very clean, clear, and professional, so great work on this!

You must be proud of yourself since not many students pass this project on the first try. 💪

For this project, you are using a demo key but if you ever need to add your own personal key, this is very sensitive information so it is much better to hide it. I give you some suggestions on how to do it in the code review tab. 😊

Finally, please, take a look at the code review tab for some recommendations to make some improvements for your next projects, but overall, you have done a really great job on this project.

## RecyclerView



The app displays a list of asteroids in the Main Screen by using a `RecyclerView`, when tapping an item the app opens Details screen.

✅ The list of asteroids is correctly displayed on the main screen.



# Asteroid Radar



## Image of the Day

**250680 (2005 QC5)**

2021-05-30



**(2008 GE)**

2021-05-30



**(2014 DO112)**

2021-05-30



# (2017 BM6)

2021-05-30



## Network



The asteroids displayed in the screens are downloaded from the NASA API



The NASA API has been used to download the asteroids.



The NASA image of the day is displayed in the Main Screen



As seen in the image above, the image of the day is correctly displayed on the main screen.

## Database and Caching



The app can save the downloaded asteroids in the database and then display them also from the database. The app filters asteroids from the past



The user can use the app without an internet connection since the list of asteroids is saved in the database as the Android Studio database inspector shows in this image.


Motorola Motorola One > com.udacity.asteroidradar

Databases										
AsteroiDatabaseEntity										
<input type="checkbox"/> Live updates										
androidx.work.workdb		id	codename	closeApp...	absolute...	estimate...	relativeV...	distanceF...	isPotenti...	
> Dependency	1	2066391	66391 Moshup	2021-05-31	16.58	2.8710448625	28.763924010	0.2961730104	1	
> SystemIdInfo	2	2162913	162913 (2001	2021-06-06	18.2	1.3615700154	11.7441238117	0.2054896229	0	
> WorkName	3	2250680	250680 (2005	2021-05-30	19.7	0.6824015094	7.7257148843	0.2623087413	1	
> WorkSpec	4	2315098	315098 (2007	2021-06-01	16.82	2.5706324102	18.801936162	0.2708601642	0	
> WorkTag	5	2329338	329338 (2001	2021-06-05	19.0	0.9419763057	21.969528258	0.3445244213	0	
> room_master_table	6	2387505	387505 (1998	2021-06-06	18.4	1.2417666126	25.729923584	0.2198970744	1	
asteroids	7	2388468	388468 (2007	2021-05-31	18.3	1.30028927	5.5290907486	0.3850543343	0	
> AsteroiDatabaseEntity	8	2391451	391451 (2007	2021-06-01	19.5	0.7482383761	4.0661511721	0.4342735743	0	
> room_master_table	9	2437844	437844 (1999	2021-06-06	21.15	0.3499773825	24.186321164	0.2640952704	1	
	10	2467460	467460 (2006	2021-06-02	19.2	0.8590926012	22.105356778	0.297226924	1	
	11	2494690	494690 (2004	2021-06-02	20.0	0.5943468684	22.970537426	0.0728742812	1	
	12	2516976	516976 (2012	2021-06-04	21.4	0.3119176705	9.5680694098	0.1705016347	0	
	13	3092100	(1986 NA)	2021-06-06	19.8	0.6516883822	14.391721689	0.4682708839	0	
	14	3388320	(2007 TA25)	2021-06-03	19.8	0.6516883822	10.136887328	0.1520672023	0	
	15	3398132	(2007 YJ1)	2021-06-03	25.3	0.0517654482	7.4035563249	0.4756795521	0	
	16	3407945	(2008 GE)	2021-05-30	23.3	0.130028927	6.5328654814	0.4033131357	0	

17	3518084	(2010 HG20)	2021-06-03	21.4	0.3119176705	10.1347192135	0.4103871705	0
18	3529625	(2010 LM68)	2021-06-03	20.8	0.411187571	20.211534044	0.418030729	0
19	3530350	(2010 MB)	2021-06-01	24.6	0.0714562102	17.226641547	0.4481150527	0




The app downloads the next 7 days asteroids and saves them in the database once a day using workManager with requirements of internet connection and device plugged in. The app can display saved asteroids from the database even if internet connection is not available

 Good use of the WorkManager to download data periodically!

## Accessibility



The app works correctly in talk back mode, it provides descriptions for all the texts and images: Asteroid images in details screen and image of the day. It also provides description for the details screen help button

 The talkback mode works correctly. Great job adding a good description in all the needed places.

 [DOWNLOAD PROJECT](#)

16

[CODE REVIEW COMMENTS](#)



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