

# Lesson 12: Repository pattern and V

Let's do a quick test! You must answer at least 5 questions correctly to pass this quiz.

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1. Which component in the Android Architecture Components is responsible for keeping the offline cache up-to-date and getting data from the network?

- ☐ ViewModel
- ☐ LiveData
- ☒ Repository ☒ Correct!
- ☐ Activities

2. What is the best way to save structured data on the device file system for offline caching?

- ☐ Room
- ☐ Files
- ☐ Shared preferences
- ☒ Retrofit caching ☐ Incorrect.

3. The `Transformations.map` converts one `LiveData` into another \_\_\_\_.

- ☐ ViewModel
- ☒ LiveData ☒ Correct!
- ☐ Repository
- ☐ DAO object

4. When implementing offline caching, which one of the following strategies is a good example of the concept of separation of concerns?

- ☒ Create separate classes to represent the network, domain, and database objects. ☒ Correct!
- ☐ Create a single class to represent the network, domain, and database objects.
- ☐ Create a single class to represent the network and domain objects, and another class to represent the database object.
- ☐ Create a single class to represent the network object and another class to represent the database and domain objects.

5. What are the concrete implementations of the `WorkRequest` class?

- ☐ `OneTimeWorkPeriodicRequest`
- ☒ `OneTimeWorkRequest` and `PeriodicWorkRequest` ☒ Correct!
- ☐ `OneTimeWorkRequest` and `RecurringWorkRequest`
- ☐ `OneTimeOffWorkRequest` and `RecurringWorkRequest`

6. Which API do you use to add constraints to a `WorkRequest`?

☒ `setConstraints()` ☒ Correct!

☐ `addConstraints()`

☐ `setConstraint()`

☐ `addConstraintsToWorkRequest()`

## Results

You scored 5 out of 6. Congratulations! You have passed this quiz.

You earned the **Lesson 12:**  
**Repository pattern and**  
**WorkManager** badge!

The badge has been added to your profile.



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