

Rick and Morty GraphQL API

Structure of the Query (schemas)

- Character (id)
- ~~Characters (page, filter)~~
- ~~charactersByIds (ids)~~
- Location (id)
- ~~Locations (page, filter)~~
- ~~locationsByIds (ids)~~
- Episode (id)
- ~~Episodes (page, filter)~~
- ~~episodesByIds (ids)~~

Levels of testing

- Unit testing
- Integration testing

Types of testing

- Black-box testing
- Functional testing
- Backend testing
- Positive testing
- Negative testing
- Data testing

Instruments

- Check-lists in GDocs
- Postman queries
- Postman autotest (check ER = AR)

Goals of testing

- Check API request-response schema functionality
- Check API responds according to specs
- Verify correctness of data fetched (ER = AR) - according to Specs
- Check input checks in requests in API
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Metrics

- Number of test cases failed / total number of run cases
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Test cases hierarchy

- Positive functional checks (
- Negative function checks

Details

Postman variables in a specific environment:

- characterId = 1
- locationId = 10
- episodeId = 10

List of checks

- **Positive checks**
 - Mandatory valid arguments for one schema provided and full available info from the same schema requested
 - Mandatory valid arguments for one schema provided and no extra info from the same schema requested
 - Mandatory valid arguments for more than one schema provided and info from these schemas requested
- **Negative checks**
 - Mandatory argument empty
 - Mandatory argument does not match any
 - Mandatory argument wrong type
 - Correct mandatory argument for one schema is provided, for other schema an incorrect and request info from both correct and incorrect

Sample check-list

ID	Check name	Input value	Status	Commentary
Positive functional tests				
Negative functional tests				
