

# Bug in Moodle Quiz Responses Report

## Bug

Quiz Settings :- Question behaviour -> 'Interactive with multiple tries'

Quiz Responses Report Settings :-

'Attempts from' -> 'enrolled users who have **not** attempted the quiz'

'Which tries' -> 'First try' or 'All Tries'

**Gives Error!**

(**Note** : 'Which tries' -> 'Last try' works fine and gives a list of enrolled users who have not attempted the quiz with 'Response' columns having null/('-') values.)

## Solution

There are two ways to deal with this situation.

### First Solution

Disabling the 'Which tries' option (which should be the ideal case as there are no attempts present).

#### Code Fixes

File : moodle/mod/quiz/report/responses/responses\_form.php

```
protected function other_attempt_fields(MoodleQuickForm $mform) {
    parent::other_attempt_fields($mform);
    if (quiz_allows_multiple_tries($this->_customdata['quiz'])) {
        $mform->addElement('select', 'whichtries', get_string('whichtries', 'question'), array(
            question_attempt::FIRST_TRY => get_string('firsttry', 'question'),
            question_attempt::LAST_TRY => get_string('lasttry', 'question'),
            question_attempt::ALL_TRIES => get_string('alltries', 'question'))
        );
        $mform->setDefault('whichtries', question_attempt::LAST_TRY);
        $mform->disabledIf('whichtries', 'attempts', 'eq', quiz_attempts_report::ENROLLED_WITHOUT);
    }
}
```

### Second Solution

Handling the actual error.

Coding error detected, it must be fixed by a programmer: PHP catchable fatal error

[More information about this error](#)

**Debug info:** Object of class qubaid\_list could not be converted to string  
Error code: codingerror

**Stack trace:**

- line 426 of /lib/setuplib.php: coding\_exception thrown
- line 529 of /question/engine/datalib.php: call to default\_error\_handler()
- line 66 of /mod/quiz/report/responses/first\_or\_all\_responses\_table.php: call to question\_engine\_data\_mapper->load\_questions\_usages\_by\_activity()
- line 545 of /mod/quiz/report/attemptsreport\_table.php: call to quiz\_first\_or\_all\_responses\_table->load\_extra\_data()
- line 1624 of /lib/tablelib.php: call to quiz\_attempts\_report\_table->query\_db()
- line 217 of /mod/quiz/report/responses/report.php: call to table\_sql->out()
- line 96 of /mod/quiz/report.php: call to quiz\_responses\_report->display()

Continue

### Cause of error

File : moodle/mod/quiz/report/responses/first\_or\_all\_responses\_table.php

In the function,

protected function load\_extra\_data(){

```
...
    $qubaid = $this->get_qubaid_condition();
    ...
}
```

Here, \$qubaid receives null values since there are no quiz attempts.

### Code Fixes

```
protected function load_extra_data() {
    if (count($this->rawdata) === 0) {
        return;
    }
    $qubaid = $this->get_qubaid_condition();
    $dm = new question_engine_data_mapper();

    if ($qubaid->usage_id_in() != '0') {
        $this->questionusagesbyactivity = $dm->load_questions_usages_by_activity($qubaid);

        // Insert an extra field in attempt data and extra rows where necessary.
```

```

$newrawdata = array();
foreach ($this->rawdata as $attempt) {
    $maxtriesinanyslot = 1;
    foreach ($this->questionusagesbyactivity[$attempt->usageid]->get_slots() as $slot) {
        $tries = $this->get_no_of_tries($attempt, $slot);
        $maxtriesinanyslot = max($maxtriesinanyslot, $tries);
    }
    for ($try = 1; $try <= $maxtriesinanyslot; $try++) {
        $newtablerow = clone($attempt);
        $newtablerow->lasttryforallparts = ($try == $maxtriesinanyslot);
        if ($try != $maxtriesinanyslot) {
            $newtablerow->state = quiz_attempt::IN_PROGRESS;
        }
        $newtablerow->try = $try;
        $newrawdata[] = $newtablerow;
        if ($this->options->whichtries == question_attempt::FIRST_TRY) {
            break;
        }
    }
    $this->rawdata = $newrawdata;
} else {
    $newrawdata = array();
    foreach ($this->rawdata as $attempt) {
        $newtablerow = clone($attempt);
        $newtablerow->lasttryforallparts = 0;
        $newtablerow->try = 0;
        $newrawdata[] = $newtablerow;
    }
    $this->rawdata = $newrawdata;
}
}

```