(A12) Backend Send Push Notification To Show Questions

Push notification with RULE_FIRED_ACTION is sent.

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Send a non-flushable intent with the payload as an extra to Rule Question Service.

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Is the Rule Question Service in Ready or Reload state? → No → No-op

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Is Rules Engine initialized?

- Yes → Create new RuleFireLocation with parameter RULE_FIRED_REMOTE. De-serialize the payload body to get ruleSimEnt object.
- No → Reschedule the rule firing so it goes back into the queue.

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QuestionNotify instance is notified with notify(ruleSimEnt, trigger, ruleFireLocation).

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Using QuestionId and RuleId obtained from ruleSimEnt, fetch the correct rule from the local database and get the correct maxAnswerTime. Default to 60s if not present.

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Using QuestionId, confirm that the question is stored in the local database.

- Present → Call UserNotifier instance's popup (title, text, QId, RuleId, maxAnswerTime, ruleReceiveTime, RuleNotifyTime).
- Not present → Log error message. Send toast message to user.

↓ (Present branch)

Send a notification with sound and vibration to the user.

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Insert unset answer to the database with questionId, ruleId... Get the answerId that is inserted.

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Create an intent with multiple flags containing question information and start PopupActivity with it.

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In PopupActivity, set up the correct UI for the question type.