

Problem Statement: The current BRE is not editable from the front end, and each NBFC-Bank-Program combo has a different set of rules. How can these rules be edited (to account for repo rate changes, guideline shifts, quarterly adjustments) from the front-end without needing implementers to individually parse through code and make changes.

Tentative WorkPlan and Priority

1. **Learn about JSON and the role of a JSON in a BRE- P0**
 - a. Understand how the changes in rules are handled by engineers
 - b. See what an MVP might look like, which features are absolutely necessary
2. **Build a short-term fix - the prototype or MVP - P0**
 - a. An edit button on the front-end for the product team to solely incorporate new rules from Banks/NBFCs
 - b. Think about what additional features may be necessary or useful (audit logs, event trackers, role-based access)
3. Research BRE Builders on the Market - so we can build a long term solution - P1
 - a. Which BRE Builder is best for this use-case
 - b. Should Aumnee build their Builder in-house? (yes - we should rarely buy, maybe use opensource)
 - c. What features do external BRE Builders contain?

Possible Sources for this:

- <https://finbox.in/blog/what-is-a-business-rules-engine-all-things-bre-part-i/>
- <https://finbox.in/blog/why-lenders-need-an-agile-no-code-business-rules-engine-all-things-bre-part-ii/>
- <https://finbox.in/blog/introducing-sentinel-all-things-bre-part-iii/>
- https://resources.finbox.in/hubfs/Ebooks/PDFs/Sentinel_eBook.pdf?__hstc=251652889.cbb5eb65cdcae70026f68c7ffa8c16ee.1743760683466.1744364260507.1744366686808.5&__hssc=251652889.3.1744366686808&__hsfp=1652926369

3.b. What additional features can we consider?

1. Should the product team be able to add new conditions, or just change interest rates and thresholds?
2. Audit Log - to log who made what changes and when?
3. Version history - To revert if any errors are made
4. Rule Validation - a set of checks to curb possible rules that can be made

What is a rules engine?

- Combination of rules (age>65 allowed if salary>65000)
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