Short communication

HANDLING BUSINESS RULES FOR BUSINESS PROCESS EFFECTIVENESS
WITH REFERENCE TO HEALTHCARE IT APPLICATION DEVELOPMENT

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ABSTRACT

All Business Organizations irrespective of any industries follow some business rules for their effective work. These rules can be common or differ from industry to industry. Some Organizations documents these rules as SOP (Standard Operating Procedure) & some called as Company Protocol. These Rules drive the business for that Organization. These Business Rules shall be acceptable to all stakeholders, business Operations Executives and must be within the scope of their Business Process. If we look at some Service organizations, for example Banking & Financial Services these rules gets changed as & when some notifications come from the Government Bodies. Similar is the case in Healthcare IT side where now & then there are updates from the Federal Government side and need to develop applications that meet these standards. These needs to be approved at the same by governing regulatory bodies and other bodies who are responsible for approval of the same. **Copyright © IJABM, all rights reserved.**

Keywords: Business Rule, SOP (Standard Operating Procedure), Scope, Business Rule Statement, Process

Academic Discipline and Sub-Disciplines

Management

SUBJECT CLASSIFICATION

Healthcare Management / Information Management

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INTRODUCTION

Let's first know some of the terms that are commonly used when Business Rules are talked.

Business Rule - A statement that defines or constrains some aspect of the business. This must be either a term or fact (described below as a structural assertion), a constraint (described below as an action assertion), or a derivation. It is 'atomic' in that it cannot be broken down or decomposed further into more detailed business rules. If reduced any further, there would be loss of important information about the business.

Business Rule Statement - A declarative statement of structure or constraint that the business places upon itself or has placed upon it.

Formal Expression Type - One of the formal grammars for representing business rules.

Formal Rule Statement - An expression of a business rule in a specific formal grammar.

Policy - A general statement of direction for an enterprise.

Business rules are nothing but the Process & Practices of an organization. This helps the Organizations to perform exceptionally well & develop good applications that meet their clients' requirements. There are many variances seen from one company to another company process. So these Business Rules should be built in such a way that it can be easily customizable based on various clients requirements.

Business rules are defined within broad business functions. They are defined alongside other requirements like Use Cases, flow diagrams, activities, strategies, and so on.

Example of a Rule:

A *structured English* example of a **formal rule statement** is:

    If Car.miles-current-period > 5000 then
        call Schedule-service(Car.Id)
    End if

Types of Business Rules

Each (atomic) business rule must be one of the following:

- A *structural assertion* - a defined concept or a statement of a fact that expresses some aspect of the structure of an enterprise. This encompasses both terms and the facts assembled from these terms.
- An *action assertion* - a statement of a constraint or condition that limits or controls the actions of the enterprise.
- A *derivation* - a statement of knowledge that is derived from other knowledge in the business.

Advantages of Business Rules:

1. Shortens development time in the Long run business

2. Rules are externalized and easily shared among multiple applications

3. Changes can be made faster and with less risk

4. Lowers the cost incurred in the modification of business logic

CONCLUSION

Important points to note that the Software applications should have some reusable components when we build any application for any verticals & passivity should be maintained in that so that whenever there are any governmental regulations or updates coming in, application's specialist shall figure those and accommodate those new changes in the system & make it ready for the Clients in very few days so that it meets their regulations. Documentation of these Business Rules is also very important. These Business Rules documentation shall help our clients & associates to understand the logic behind the system & understand the workflow specific to that vertical/Industry. This shall also help as a Reference material for the Clients to refer back once they get stuck in their workflow while carrying out their activity. These guides will also serve as a good Training material for implementation associates & trainers who shall be giving trainings to the Clients just after the Enterprise application is deployed in their environment. Business rules shall fully describe how the system shall behave, what are the Inputs & Outputs expected from the System & a thorough documentation is also done to capture these logics. There are no business rules until you say they are present in the system.

REFERENCES

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