# Second change request

The client wants a module that differentiates semantics according to the context: “I look forward to hearing from you” and “We moved forward towards the tower.” One speaks about the future and the other describes a direction.

## Configuration Identification

Using the concept of configuration identification, we identify the following concepts applicable to the change request:

### Code

Functionality to be implemented:

1. **Contextual Semantics Differentiation:** The module should be able to parse the text and identify the semantics based on the context. It should be able to differentiate between similar phrases used in different contexts.

This new functionality will enhance the system’s ability to understand and interpret text more accurately, providing a more nuanced and context-aware user experience.

### Design

Implementation of this feature may depend on the existing system architecture and may require additional libraries or tools for text parsing and semantics analysis.

### Documentation

All modules to be developed must be documents complying with the quality characteristics as required by ISO 25000.

## Risk assessment

### Budget

The additional budget for this change request is:

### $47,497.50

### Human Resource

We have the team already only needs to update details of the change.

### Time

The additional time required for this change is:

One and half month.

|  |  |
| --- | --- |
| **Strength** | **Weaknesses** |
| Contextual Understanding: A module that differentiates semantics according to the context can significantly improve the system's understanding and interpretation of user inputs.  User Experience: It can enhance user experience by providing more accurate and context-aware responses. | Technical Complexity: Developing a module that accurately understands and differentiates semantics based on context can be technically challenging.  Ambiguity: Language is inherently ambiguous, and context can be subjective, which might lead to inaccuracies in interpretation. |
| **Opportunities** | **Threats** |
| Innovation: This could lead to the development of new features or products based on advanced natural language understanding.  Market Differentiation: By prioritizing contextual understanding, the client could differentiate themselves in the market. | Competition: There are already established players in the market offering similar functionalities.  User Expectations: High user expectations for accurate contextual understanding could lead to dissatisfaction if not met. |