

# The Dictation Evaluation Reddit Parser

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# **1 Introduction to DERP**

Dictation Evaluation Reddit Parser – DERP, is designed to be a Domain Specific Language – DSL for interfacing with news, or news-like systems. The system was designed as part of a group project for South Dakota School of Mines & Technology’s Compilers course.

## 1.1 What is DERP: Human Queries For a Digital World

test text 2

## 1.2 DERP Origins

## 1.3 Why DERP

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## 2 DERP Design Goals

2.1 Consolidated Information (variety of subreddits/ sources)

2.2 Easy to Use Natural English Interface

2.3 Search More, Search Faster

## 3 The DERP Execution Model

3.1 Interactive

3.2 Hierarchical Data (website -> boards (subreddits) -> posts)

3.3 Constraints

3.4 Savable Criteria (data structures)

3.5 Composed Constraints

## 4 The DERP Query Language

4.1 Main Features

4.1.1 Primitives

4.1.2 Higher Order Types...

4.1.3 Memory Management

## 5 DERP Operators