

The Dictation Evaluation Reddit Parser

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Contents

1	Introduction to DERP	1
1.1	What is DERP: Human Queries For a Digital World	1
1.2	DERP Origins	1
1.3	Why DERP	1
2	DERP Design Goals	3
2.1	Consolidated Information (variety of subreddits/ sources)	3
2.2	Easy to Use Natural English Interface	3
2.3	Search More, Search Faster	3
3	The DERP Execution Model	5
3.1	Interactive	5
3.2	Hierarchical Data (website -¿ boards (subreddits) -¿ posts)	5
3.3	Constraints	5
3.4	Savable Criteria (data structures)	5
3.5	Composed Constraints	5
4	The DERP Query Language	7
4.1	Main Features	7
4.1.1	Primitives	7
4.1.2	Higher Order Types...	7
4.1.3	Memory Management	7
4.2	DERP Operators	7

Chapter 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 sysyem 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

Chapter 2

DERP Design Goals

- 2.1 Consolidated Information (variety of sub-reddits/ sources)
- 2.2 Easy to Use Natural English Interface
- 2.3 Search More, Search Faster

Chapter 3

The DERP Execution Model

3.1 Interactive

3.2 Hierarchical Data (website -> boards (sub-reddits) -> posts)

3.3 Constraints

3.4 Savable Criteria (data structures)

3.5 Composed Constraints

Chapter 4

The DERP Query Language

4.1 Main Features

4.1.1 Primitives

4.1.2 Higher Order Types...

4.1.3 Memory Management

4.2 DERP Operators