1 Introduction 1.1.1 Societal Problem 1.1.2 Current Parts of speech and lexical bundle identification Methods 1.1.3 Statistics 1.1.4 Solution Overview 1.2 Purpose (Lab 1: Product Description) 1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module 2.1.3.3 Slashed Reader Module		
1.1.1 Societal Problem 1.1.2 Current Parts of speech and lexical bundle identification Methods 1.1.3 Statistics 1.1.4 Solution Overview 1.2 Purpose (Lab 1: Product Description) 1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD  2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1 Introduction	
1.1.3 Statistics 1.1.4 Solution Overview 1.2 Purpose (Lab 1: Product Description) 1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3 Shell 2.1.3.2 Color Module		Societal Problem
1.1.3 Statistics 1.1.4 Solution Overview 1.2 Purpose (Lab 1: Product Description) 1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3 Shell 2.1.3.2 Color Module	1.1.2	Current Parts of speech and lexical bundle identification Methods
1.2 Purpose (Lab 1: Product Description)  1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.1.3	
1.2.1 Providing a tool for aiding ESL students in learning English 1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.1.4	Solution Overview
1.2.2 How It Will Be Used 1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.2 Purpos	se (Lab 1: Product Description)
1.2.3 Who Will Use It (Lab 1: Target Market Customer Base) 1.2.4 What It Will Do (Lab 1: Product Features & Capabilities) 1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype) Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.2.1	Providing a tool for aiding ESL students in learning English
1.2.4 What It Will Do (Lab 1: Product Features & Capabilities)  1.2.4.1 Identify Parts of speech in a text document  1.2.4.2 Uniquely color identified requested parts of speech  1.2.4.3 Insert slashes to break text into lexical bundles  1.2.4.4 Display lexical bundles in a speed controlled reader  1.2.5 What It Won't Do  1.3 Scope  1.3.1 Old Dominion University  1.3.1.1 English as a Second langage Class sections  1.4 Definitions and Acronyms - See Glossary  1.5 References - See References (Lab 1)  1.6 Overview Summary of Product Specification Contents  2 General Description  2.1.1 MFCD (Prototype)  Figure: MFCD  2.1.2 Prototype Algorithms  2.1.3 Single Page Application  2.1.3.1 Shell  2.1.3.2 Color Module	1.2.2	How It Will Be Used
1.2.4.1 Identify Parts of speech in a text document 1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.2.3	Who Will Use It (Lab 1: Target Market Customer Base)
1.2.4.2 Uniquely color identified requested parts of speech 1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do  1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		•
1.2.4.3 Insert slashes to break text into lexical bundles 1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do 1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		J 1
1.2.4.4 Display lexical bundles in a speed controlled reader 1.2.5 What It Won't Do  1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections  1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		
1.2.5 What It Won't Do  1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.2.4.3	
1.3 Scope 1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		
1.3.1 Old Dominion University 1.3.1.1 English as a Second langage Class sections 1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.2.0	What It Won't Do
1.3.1.1 English as a Second langage Class sections  1.4 Definitions and Acronyms - See Glossary  1.5 References - See References (Lab 1)  1.6 Overview Summary of Product Specification Contents  2 General Description  2.1 Prototype Architecture Description  2.1.1 MFCD (Prototype)  Figure: MFCD  2.1.2 Prototype Algorithms  2.1.3 Single Page Application  2.1.3.1 Shell  2.1.3.2 Color Module	1	
1.4 Definitions and Acronyms - See Glossary 1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	_	
1.5 References - See References (Lab 1) 1.6 Overview Summary of Product Specification Contents  2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	_	8 8 8
2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		
2 General Description 2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		
2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	1.6 Overvi	ew Summary of Product Specification Contents
2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		
2.1 Prototype Architecture Description 2.1.1 MFCD (Prototype)  Figure: MFCD 2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module	2 Canaral Daggr	intion
2.1.1 MFCD (Prototype)  Figure: MFCD  2.1.2 Prototype Algorithms 2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		•
Figure: MFCD  2.1.2 Prototype Algorithms  2.1.3 Single Page Application  2.1.3.1 Shell  2.1.3.2 Color Module	•	
<ul> <li>2.1.2 Prototype Algorithms</li> <li>2.1.3 Single Page Application</li> <li>2.1.3.1 Shell</li> <li>2.1.3.2 Color Module</li> </ul>		MrcD (Flototype)
2.1.3 Single Page Application 2.1.3.1 Shell 2.1.3.2 Color Module		Prototyne Algorithms
2.1.3.1 Shell 2.1.3.2 Color Module		
2.1.3.2 Color Module		
2.1.5.5 Statified Reduct Module		
2.1.4 Virtual Machine		
2.1.4.1 node.js		
2.1.4.2 ngnix		,
2.1.4.3 MySql		0

2.3.1.1

2.3.2.1 2.3.2.2

2.3.3.1

2.3 Interfaces 2.3.1

2.3.2

2.3.3

2.2

Prototype Functional Description

Hardware Interfaces

Browser

JavaScript webserver interfaces

Database interface

N/A Software Interfaces

User Interface