

**Lab 1 – ReasonED.io Product Specifications**

Team Crystal – Dakota Dawe

Old Dominion University

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Professor Thomas Kennedy

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SRS

Team Crystal. (2024, February 21). Lab 1 – ReasonED.io Product Description.

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## LAB 2 – SRS

### 1. Introduction

#### 1.1. Purpose

The purpose of an SRS (Software Requirements Specification) is to describe the software in a high level way that's abstracted far enough that the developers, designers, and customer can all understand together.

#### 1.2. Scope

To build games for ReasonED, GoDot 3 will be used as it is very lightweight and easily deployable to the web. For hosting ReasonED will use HostGator as supports all the services ReasonED will use. For the database ReasonED will use PostgreSQL. The web server itself will be running on nodejs using React for the front end. For the planned real time features ReasonED will utilize WebSockets.

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### 1.3. Definitions, Acronyms, and Abbreviations

**Confirmation Bias** - A cognitive bias that involves seeking, interpreting, and remembering information that confirms one's preconceptions (American Psychological Association n.d.).

**Critical Thinking** - The ability to think clearly and rationally, understanding the logical connection between ideas and the ability to make reasoned judgements (American Psychological Association n.d.).

**Fact-Checking** - The process of verifying the accuracy of claims made in public discourse and journalism (Cambridge English Dictionary n.d.).

**False Dilemma** - A fallacy that presents a limited set of options as the only possible choices when there may be other alternatives (Excelsior OWL n.d.).

**Logical Fallacy** - An error in reasoning or a flawed argument that can make an argument appear valid when it is not (Nikolopoulou, 2023).

**Misinformation** - False or inaccurate information shared, often unintentionally, without the intent to deceive (Dictionary.com n.d.).

**Disinformation** - False information deliberately spread to deceive or mislead others (Dictionary.com n.d.).

**Slippery Slope** - A fallacy that suggests one small step will inevitably lead to a chain of related events, often with exaggerated consequences (Excelsior OWL n.d.).

**Straw Man Argument** - A fallacy that involves misrepresenting an opponent's argument to make it easier to attack and refute (Excelsior OWL n.d.).

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## LAB 2 – SRS

### 1.5. Overview

The following sections will cover the purpose of ReasonED, the intended users, core features and functionality, and our linked dependencies.

## 2. Overall Description

### 2.1. Product Perspective

The ReasonED team is building an educational platform focused on logical fallacies. The website will contain game based learning solutions. The games will be broken up into categories with collections based on grade level such as elementary, middle, high school, and college. The primary goal is for the player to walk away understanding more about fallacies and how to determine what is and isn't a fallacy.

### 2.2. Product Functions

The core features of ReasonED will be PC and tablet compatibility, engaging characters and animations, educator tools, and some simple accessibility features for those with disabilities.

### 2.3. User Characteristics

The intended users for ReasonED are kids, teenagers, and adults that are currently enrolled in school. A big goal for ReasonED is to get it into schools as a product that teachers can utilize to help teach their students. Because ReasonED will be easily accessible to anyone from anywhere, the users will extend beyond that of enrolled students.

### 2.4. Constraints

N/A

### 2.5. Assumptions and Dependencies

ReasonED will have some dependencies, specifically with GoDot which is our game engine of choice. ReasonED is currently limited to GoDot 3 because GoDot 4 cannot deploy to the web currently. That is something that they have on their roadmap and would be a nice upgrade for ReasonED. This is something to take into consideration based on if the upgrade is worthwhile.