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**Software Requirements Specification (SRS) Template**

Items that are intended to stay in as part of your document are in **bold**; explanatory comments are in *italic* text. Plain text is used where you might insert wording about your project.

The document in this file is an annotated outline for specifying software requirements, adapted from the IEEE Guide to Software Requirements Specifications (Std 830-1993).

Tailor this to your needs, removing explanatory comments as you go along. Where you decide to omit a section, you might keep the header, but insert a comment saying why you omit the data.

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**Visual Studio Code Pets**

**Software Requirements Specification**

**Document**

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# 1. Introduction

VS Code pets allows for animated pets to show up around VS Code for some light hearted breaks throughout the time coding.

## 1.1 Purpose

VS Code pets aims to meet burnt out developers who need a pop of color in their workspace and some light-hearted enjoyment.

## 1.2 Scope

VS Code Pets

* Will
  + Relieve a little bit of stress from the developer
  + Add a pop of color to VS Code
  + Add customizable pets
* Will Not
  + Take up significant amount of RAM and CPU power
  + Distract the developer from work
* VS Code
  + A source-code editor made by Microsoft

## 1.3 Definitions, Acronyms, and Abbreviations.

VS – Visual Studio

## 1.4 References

Official documentation for the plugin:

<https://marketplace.visualstudio.com/items?itemName=tonybaloney.vscode-pets>

## 1.5 Overview

*In this subsection:*

1. *Describe what the rest of the SRS contains*
2. *Explain how the SRS is organized*

# 2. The Overall Description

*Describe the general factors that affect the product and its requirements. This section does not state specific requirements. Instead, it provides a background for those requirements, which are defined in section 3, and makes them easier to understand*.

## 2.1 Product Perspective

Similar concept to the Nyan Progress bar plugin for Intellij

https://plugins.jetbrains.com/plugin/8575-nyan-progress-bar

### 2.1.1 System Interfaces

VS Code must allow for a new window to be created for the pet panel to reside in

### 2.1.2 Interfaces

The plugin allows for commands to be run from VS Code’s command prompt.

Due to VS Code’s innate re-mapping algorithms, the user can choose to map this command to be mapped to a button/series of buttons.

There is no other optimization for being able to type in commands.

### 2.1.3 Hardware Interfaces

The only devices that must be active are a mouse/cursor

### 2.1.4 Software Interfaces

VS Code version 1.72 and above is required as a prerequisite, VS Code pets runs as a plugin

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### 2.1.5 Communications Interfaces

N/A

### 2.1.6 Memory Constraints

N/A

### 2.1.7 Operations

The user is able to run the programs through the command prompt and display the pets on either a window or small panel. The pets will passively move in their space.

### 2.1.8 Site Adaptation Requirements

N/A

## 2.2 Product Functions

Displays animated pets in window or panel.

Can spawn in more pets and clicking on them with a cursor allows you to interact with them.

## 2.3 User Characteristics

Anyone who uses VS Code is able to run VS Code pets by searching for it in the extensions tab, upon downloading and restarting the application, the user can run one command in the command prompt to get everything running

## 2.4 Constraints

N/A

## 2.5 Assumptions and Dependencies

N/A

## 2.6 Apportioning of Requirements.

N/A

# 3. Specific Requirements

VS Code Pets is able to run with the same requirements as VS Code does. This specific information can be found at:

<https://code.visualstudio.com/Docs/supporting/requirements>

## 3.1 External Interfaces

N/A

## 3.2 Functions

The system shall be able to start a new pet session by typing in “*Start pet coding session*” into VS Code’s command prompt.

The system shall be able to spawn additional pets by typing in “Spawn additional pet” into VS Code’s command prompt.

The system shall be able to remove pets by typing in “Remove all pets” into VS Code’s command prompt.

The system shall be able to interact with the animated pets by clicking on them.

## 3.3 Performance Requirements

VS Code Pets can support one user per installation of plugin. However any device that is able to download VS Code is able to download VS Code Pets

## 3.4 Logical Database Requirements

Each user-spawned pet is saved locally on the user’s machine per session

## 3.5 Design Constraints

N/A

### 3.5.1 Standards Compliance

N/A

## 3.6 Software System Attributes

### 3.6.1 Reliability

The plugin can be downloaded/reinstalled at a moment’s notice upon having issues from VS Code’s built in extensions tab

### 3.6.2 Availability

The pets spawn during every new session for VS Code, meaning the user must spawn the pets every time they start VS Code. If there are issues doing so, a reinstallation can be done in the extensions tab.

### 3.6.3 Security

This is only a visual change, the plugin does not have security.

### 3.6.4 Maintainability

The software is currently being maintained by one person that can be found at:

https://marketplace.visualstudio.com/publishers/tonybaloney

### 3.6.5 Portability

N/A