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# ANUBIS-IDE DETAILED DESIGN DOCUMENT

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AUGUST 20, 2020

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CSE426: Maintenance and Evolution



## **ANUBIS-IDE DETAILED DESIGN DOCUMENT**

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AUGUST 20, 2020

A REPORT FOR SOFTWARE MAINTENANCE AND EVOLUTION COURSE CODDED CSE426 WITH THE  
REQUIREMENTS OF AIN SHAMS UNIVERSITY

## TABLE OF CONTENTS

1. PURPOSE.....	3
2. SCOPE .....	3
3. BRIEF DESCRIPTION .....	3
4. SYSTEM DESIGN .....	4
4.1 Class Diagram .....	4
4.2 Sequence Diagram.....	5

## **1. PURPOSE**

This software design document provides the design details of the Anubis-IDE and aims to provide a guide to a design that could be easily implemented by any team of developers reading this document.

Throughout this document, architecture and procedure, constraints, and application sequence are going to be explained in detail.

## **2. SCOPE**

The scope of this software design document is to provide technical information about the system architectural design and various sequences of the application within the design constraints mentioned in the SRS.

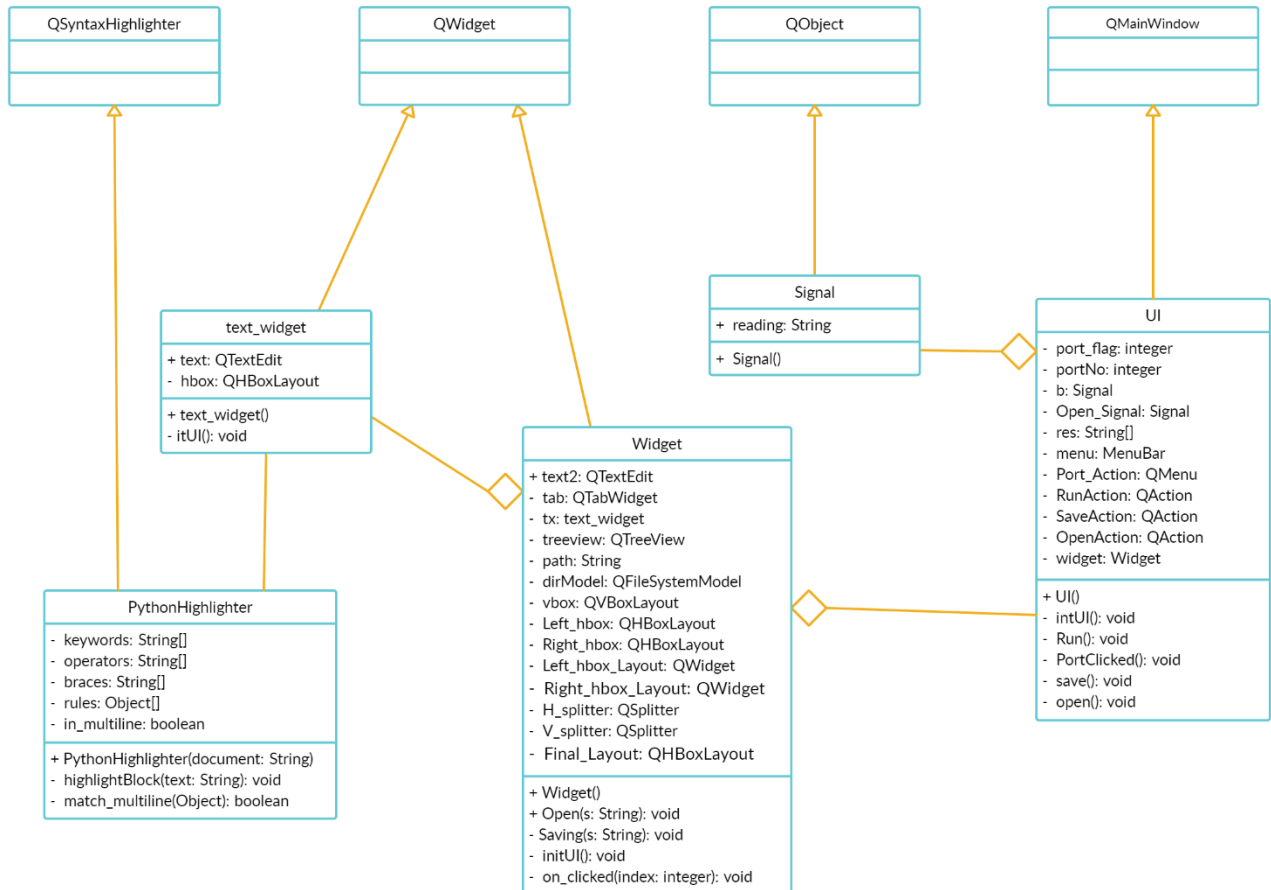
## **3. BRIEF DESCRIPTION**

Anubis-IDE is an open source desktop-based text editor, which aims to provide a simple integrated development environment to write, edit, compile, and run python scripts on various micro-controllers.

This new product will assist a huge community of embedded-systems engineers to compile, build and run their python codes directly on micro-controllers in an efficient and manageable manner.

## 4. SYSTEM DESIGN

### 4.1 Class Diagram



## 4.2 Sequence Diagram

