

# Assignment X: XXX

## Coding Documentation

*Due Date: XXXX*

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### Introduction

lorem ipsum.

### Cases Handled

The following cases are considered:

- Case 1
- Case 2

### Algorithm

The algorithm follows these general steps:

1. Case 1
  - (a) Subcase A

### Function Documentation

#### Main Function

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```
function(param)
```

#### Description:

lorem ipsum.

#### Parameters:

param : (type) lorem ipsum.

#### Returns:

type : lorem ipsum.

**Raises:**

Error: lorem ipsum.

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**Helper Functions**

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function(param)

**Description:**

lorem ipsum.

**Parameters:**

param : (type) lorem ipsum.

**Returns:**

type : lorem ipsum.

**Raises:**

Error: lorem ipsum.

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