

Design of Turing Machine software		
<b>Doc # Turing Machine-SDD</b>	<b>Version: 1.1</b>	<b>Page 1 / 6</b>

## REVISION HISTORY

Date	Version	Description	Author
23/12/2021	1.1	File filled.	Başak Balcı

Design of Turing Machine software		
Doc # Turing Machine-SDD	Version: 1.1	Page 2 / 6

## **TABLE OF CONTENTS**

<b>Revision History</b>	<b>1</b>
<b>1 Introduction</b>	<b>3</b>
<b>1.1 References</b>	<b>3</b>
1.1.1 Project References	3
<b>2 Software Architecture overview</b>	<b>3</b>
<b>3 Software design description</b>	<b>4</b>
<b>3.1 Component 1</b>	<b>4</b>
3.1.1 Component interfaces	4
3.1.2 Component design description	5
3.1.3 Workflows and algorithms	6
3.1.4 Software requirements mapping	6
<b>4 COTS Identification</b>	<b>6</b>

## 1 Introduction

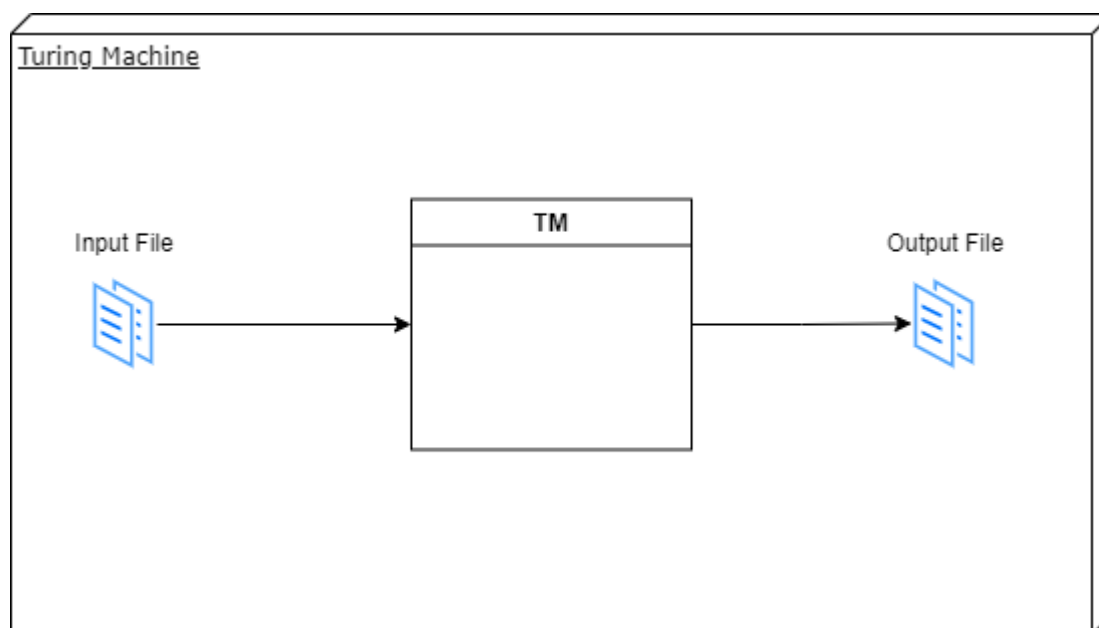
This document describes the design of the Turing Machine software system.

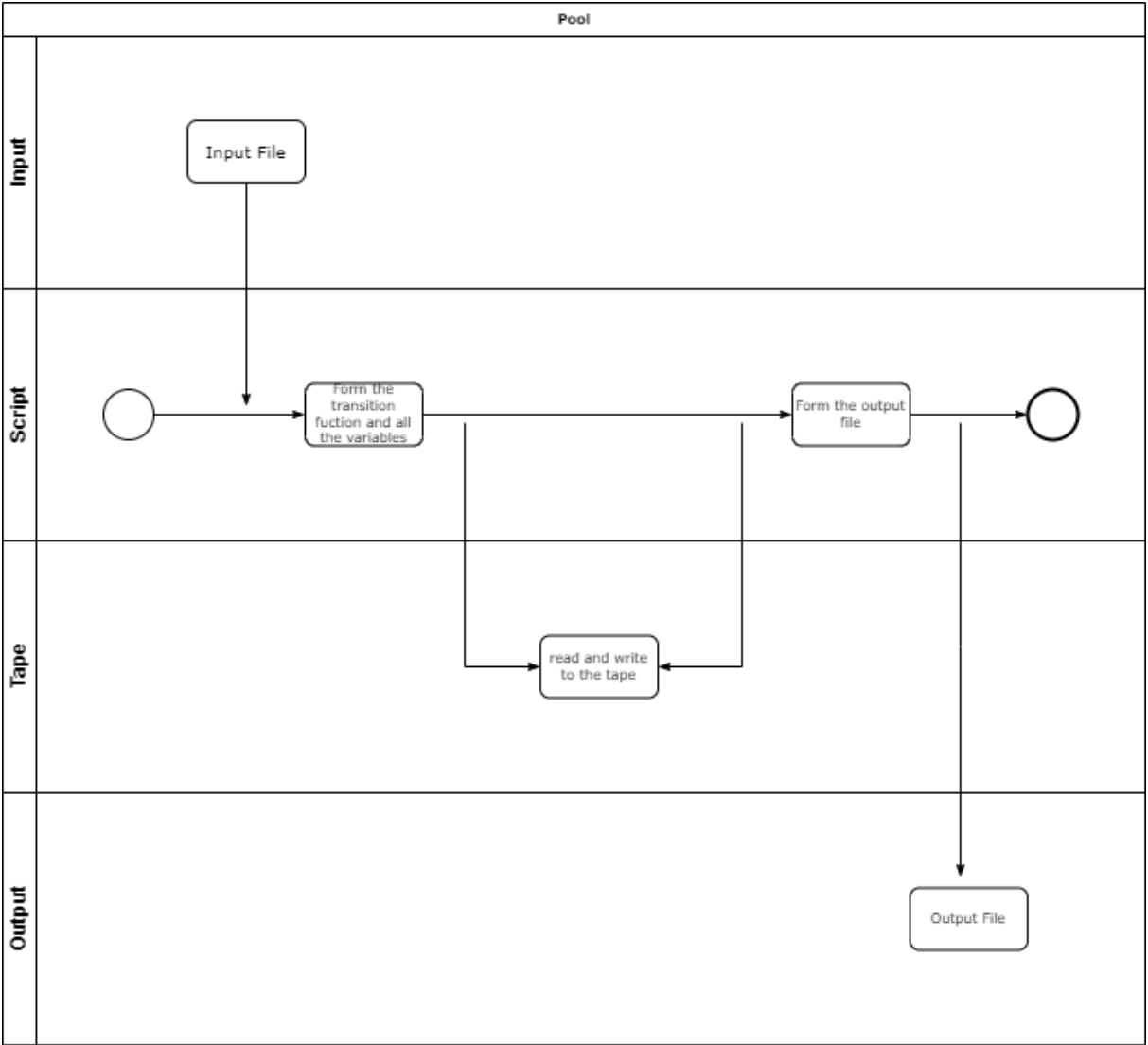
### 1.1 References

#### 1.1.1 Project References

#	Document Identifier	Document Title
[		

## 2 Software Architecture overview





### 3 Software design description

#### 3.1 Component 1

##### 3.1.1 Component interfaces

Turing Machine: Simulates the Turing Machine, takes the input file and creates the output file.

TransitionFunction: This class represents the transition function matrix.

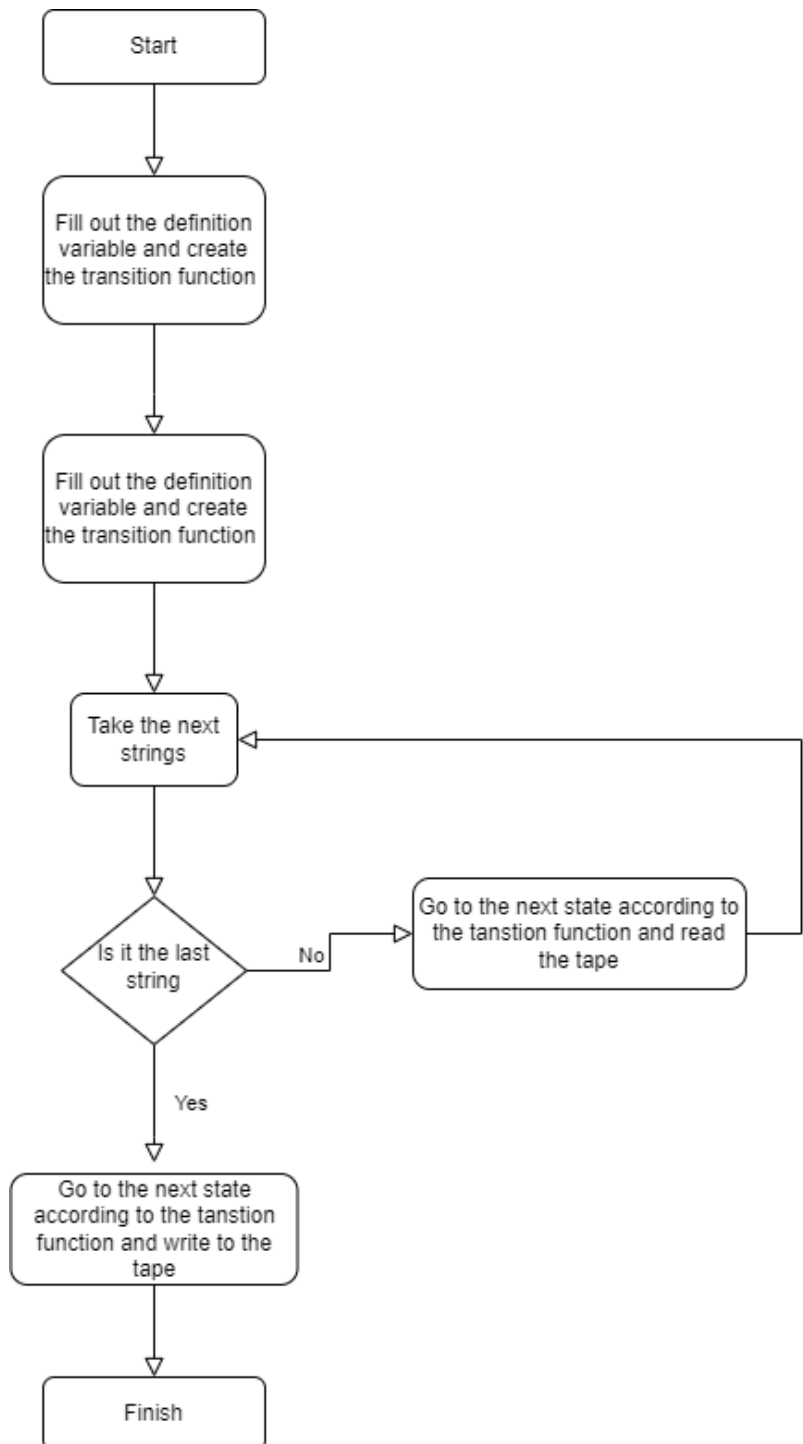
State: This class represents the states.

Tape: This class represents the tape.

### 3.1.2 Component design description



### 3.1.3 Workflows and algorithms



### 3.1.4 Software requirements mapping

Not Applicable.

## 4 COTS Identification

Not Applicable.