

# Template Progetto

Scuola d'Arti e Mestieri di Trevano (SAMT)  
Documentation

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# 1 Introduction

Esempio di citazione [**gitrepo**].

## 2 Requirements

Req-00	
<b>Name</b>	CLI tool
<b>Priority</b>	1
<b>Version</b>	1.0
<b>Notes</b>	none
<b>Description</b>	A CLI tool to execute background removal must be developed
Subrequirements	
<b>Req-00_0</b>	The target image must be specified
<b>Req-00_1</b>	The trimap image must be specified
<b>Req-00_1</b>	The program can save the generated background mask
<b>Req-00_1</b>	The program can remove the background and insert an image
<b>Req-00_1</b>	The program can remove the background and fill it with a color
<b>Req-00_1</b>	The program can remove the background and leave it transparent

  

Req-01	
<b>Name</b>	Image formats
<b>Priority</b>	1
<b>Version</b>	1.0
<b>Notes</b>	none
<b>Description</b>	Multiple image formats must be supported
Subrequirements	
<b>Req-00_0</b>	The JPG format must be supported
<b>Req-00_1</b>	The PNG format must be supported
<b>Req-00_2</b>	The WebP format must be supported

  

Req-02	
<b>Name</b>	Size check
<b>Priority</b>	1
<b>Version</b>	1.0
<b>Notes</b>	none
<b>Description</b>	The executable must assert that the target image and trimap are of the same size
Subrequirements	

  

Req-03	
<b>Name</b>	GUI
<b>Priority</b>	1
<b>Version</b>	1.0
<b>Notes</b>	none
<b>Description</b>	A GUI application must be developed in order to interact with the program features
Subrequirements	

### 3 To use

```
let output = log!(  
  "Generating soft mask",  
  args.verbose,  
  matting::generate_mask(&target, &trimap)? // heavy lifting  
);
```

```
<div>  
  <h1>Title</h1>  
</div>
```

```
function ciao() {  
  console.log(extendedchars"extendedcharseeextendedchars");  
}
```

```
# asd  
hello = "valore"
```

```
server {  
  server_name = _;  
}
```

#### 3.1 CLI

```
$ matting-cli -i target.jpg --trimap trimap.png  
  --save-mask mask.png --verbose -o out.png --fill red  
  
Reading target image... Done! [4.021485ms]  
Reading trimap image... Done! [1.976477ms]  
Generating soft mask... Done! [7.104532642s]  
Reading target image... Done! [178.884124ms]  
Saving soft mask... Done! [509.050896ms]  
Filling background with color... Done! [117.90393ms]  
Saving output... Done! [954.085622ms]
```

## List of Figures