**Functional and Data Requirements**

The functional requirements of the system are enlisted in this section.

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| **Requirement #: FR1.1** | **Requirement Type:** Functional Requirement |
| **Description:** sign in | |
| **Rationale:** user can login to use their account or just login as a visitor | |
| **Source:** Account | |
| **Fit Criterion:** The visitor should be capable of successfully creating accounts. | |
| **Dependencies:** The profile should be created in the system. | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR1.2** | **Requirement Type:** Functional Requirement |
| **Description:** sign out | |
| **Rationale:** user can sign out from the system | |
| **Source: Account** | |
| **Fit Criterion:** The patients should be capable of signing out from the system | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR1.3** | **Requirement Type:** Functional Requirement |
| **Description:** while user sign in, they can scan their history of action in the system | |
| **Rationale:** | |
| **Source: Account** | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR2.1** | **Requirement Type:** Functional Requirement |
| **Description:** visitor could draw a draft as the source image in the system | |
| **Rationale:** user can draw a draft to used as a source file | |
| **Source:** main page | |
| **Fit Criterion:** user can use it to draw a draft | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR2.2** | **Requirement Type:** Functional Requirement |
| **Description:** User can upload a image as a source image | |
| **Rationale:** User can upload a image as a source image | |
| **Source:** main page | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional (must select one from FR2.1 and FR2.2) | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR3.1** | **Requirement Type:** Functional Requirement |
| **Description:** complete the draft image comes from user | |
| **Rationale:** | |
| **Source:** main page | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR4.1** | **Requirement Type:** Functional Requirement |
| **Description:** User can upload the style image | |
| **Rationale:** | |
| **Source:** main page | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR4.2** | **Requirement Type:** Functional Requirement |
| **Description:** User can select a image provide by the system to work as a style image | |
| **Rationale:** | |
| **Source:** main page | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional (must select one from FR4.1 and FR4.2) | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR5.1** | **Requirement Type:** Data and Functional Requirement |
| **Description:** Provide a button to start the process modify the style | |
| **Rationale:** | |
| **Source:** main page | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Essential | |
| **Supporting Materials:** None | |
| **History:** | |

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| **Requirement #: FR6.1** | **Requirement Type:** Functional Requirement |
| **Description: the system should provide a method to download the new image with new style.** | |
| **Rationale:** | |
| **Source: main page** | |
| **Fit Criterion:** | |
| **Dependencies:** | |
| **Rank of importance:** Optional | |
| **Supporting Materials:** None | |
| **History:** | |

**Look and feel usability**

**In this part, it will describe how the system looks like, how user will be feel and the usability of the system.**

**As a consideration about usability of the system, it must be really friendly to users and easy to use. So in our design, the system will show as a website, and sort the system to several subsystem, each subsystem will provide a function for user.**

**For the system, it has main page, it include 4 framework include complete framework, result of completing framework, style framework and result framework, For the complete framework, user can upload or draw a image in our system to work as a draft that need to be completed. For the result of completing framework, it will show the result that the image complete by our system. For the style framework, the source style image will show in this framework, user can upload a special image as a style image our select one style image provide by our system. Moreover, the last framework is the result framework, it will show the image that have a new style which comes from the style framework.**

**Moreover, the system also provide some button to notice and help the user to know how to user the system, it include sign in button, sign out button, help button, start to complete button, upload button, start to modify style button and download result button.**

**As a result of that design, users just need to do a few operations that to get a result, it is easy to use and really friendly to the user to make users feel comfortable while they use the system.**

**We also consider about the usability of the system, for the design of split the whole system to several subsystem can make the system maintenance easy and have a strong ability in usability.**