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| **Use Case ID:** | 1 | |
| **Use Case Name:** | Login as doctor | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Website homepage is opened | |
| **Post-conditions:** | Doctor’s homepage is opened | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to login as doctor |  |
|  | 2- System displays a form containing two empty parts for username and password to be filled |
| 3- fill form |  |
|  | 4- system validates actor data  5- system displays actor’s homepage |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Actor enters invalid username or password |  |
|  |  | 1. System asks actor to re-enter them correctly |

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| **Use Case ID:** | 2 | |
| **Use Case Name:** | Login as patient | |
| **Actors:** | Patient | |
| **Pre-conditions:** | Website homepage is opened | |
| **Post-conditions:** | patient’s homepage is opened | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to login as patient |  |
|  | 2- System displays a form containing two empty parts for patient’s code and password to be filled |
| 3- fill form |  |
|  | 4- system validates actor data  5- system displays actor’s homepage |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Actor enters invalid patient’s code or password |  |
|  |  | 1. System asks actor to re-enter them correctly |

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| **Use Case ID:** | 3 | |
| **Use Case Name:** | Show Patient history | |
| **Actors:** | * Patient * Doctor | |
| **Pre-conditions:** | Login as doctor or as patient | |
| **Post-conditions:** | Patient’s history records are displayed | |
| **Flow of events:** | **User Action** | **System Action** |
| 1. Doctor choose to display specific patient’s history |  |
|  | 1. System asks doctor to enter patient’s code |
| 1. Doctor enters patient’s code |  |
|  | 1. System displays patient’s history |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Patient choose to display his/her history |  |
|  |  | 2- System displays patient’s history |

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| **Use Case ID:** | 4 | |
| **Use Case Name:** | Get patient’s blood type | |
| **Actors:** | * Patient * Doctor | |
| **Pre-conditions:** | Show patient’s history | |
| **Post-conditions:** | Blood type is displayed | |
| **Flow of events:** | **User Action** | **System Action** |
| 1. Doctor choose to display specific patient’s blood type |  |
|  | 1. System asks doctor to enter patient’s code |
| 1. Doctor enters patient’s code |  |
|  | 1. System displays patient’s blood type |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Patient choose to display his/her blood type |  |
|  |  | 2- System displays patient’s blood type |

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| **Use Case ID:** | 5 | |
| **Use Case Name:** | Add prescription | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Login as doctor | |
| **Post-conditions:** | New prescription is added to patient’s history | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to add new prescription |  |
|  | 2- System displays a form containing three parts for symptoms, disease and medicine to be filled |
| 3- save prescription after filling it |  |
|  | 4- system adds new prescription to patient’s history |
| **Includes:** | * Add symptoms * Add disease * Add medicine | |

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| **Use Case ID:** | 6 | |
| **Use Case Name:** | Add symptoms | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Login as doctor (while adding prescription) | |
| **Post-conditions:** | symptoms are added to prescription | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to fill symptoms part |  |
|  | 2- System displays empty part to be filled |
| 3- fill part and save it |  |
|  | 4- system adds saved symptoms to prescription |

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| **Use Case ID:** | 7 | |
| **Use Case Name:** | Add disease | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Login as doctor (while adding prescription) | |
| **Post-conditions:** | disease is added to prescription | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to fill disease part |  |
|  | 2- System displays empty part to be filled |
| 3- fill part and save it |  |
|  | 4- system adds saved disease to prescription |

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| **Use Case ID:** | 8 | |
| **Use Case Name:** | Add medicine | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Login as doctor (while adding prescription) | |
| **Post-conditions:** | medicine is added to prescription | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to fill medicine(s) part |  |
|  | 2- System displays empty part to be filled |
| 3- fill part and save it |  |
|  | 4- system adds saved medicine(s) to prescription |

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| **Use Case ID:** | 9 | |
| **Use Case Name:** | Show medicine alternatives | |
| **Actors:** | Doctor | |
| **Pre-conditions:** | Login as doctor (while adding medicine) | |
| **Post-conditions:** | Selected medicine is added to prescription | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to display medicine alternatives |  |
|  | 2- System displays a list containing medicine and it’s alternatives |
| 3- select medicine form list |  |
|  | 4- system adds selected medicine to prescription |
| **Extends:** | Add medicine | |

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| **Use Case ID:** | 10 | |
| **Use Case Name:** | Add attachment | |
| **Actors:** | Others | |
| **Pre-conditions:** | Website homepage is opened | |
| **Post-conditions:** | An attachment is added to patient’s history | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- choose to add attachment to specific patient |  |
|  | 2- System displays a form containing two empty parts for patient’s code and attachment |
| 3- fill patient’s code and upload attachment |  |
|  | 4- system adds attachment to patient’s history |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Actor enters invalid patient’s code |  |
|  |  | 1. System asks actor to re-enter patient’s code correctly |

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| **Use Case ID:** | 11 | |
| **Use Case Name:** | Get similar blood types friends | |
| **Actors:** | * Patient * Doctor | |
| **Pre-conditions:** | Login as doctor or as patient | |
| **Post-conditions:** | List of similar blood type friends is displayed | |
| **Flow of events:** | **User Action** | **System Action** |
| 1- patient choose to display similar blood type friends |  |
|  | 2- System displays a list containing similar blood type friends |
| **Exceptions:** | **User Action** | **System Action** |
|  | 1. Doctor choose to display similar blood type friends of specific patient |  |
|  |  | 1. System asks doctor to enter patient’s code |
|  | 1. Doctor enters patient’s code |  |
|  |  | 1. System displays a list containing similar blood type friends |