The user’s interactions with the ER set up

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| Step | User’s Action | System’s Response |
| 1. |  | Prompts user for number of doctors to staff the ER |
| 2. | Inputs number |  |
| 3. |  | Prompts user for number of nurses to staff the ER |
| 4. | Inputs number |  |
| 5. |  | Prompts user for number of patients to arrive hourly |
| 6. | Inputs number |  |
| 7. |  | Fills the ER with desired number of nurses and doctors. Sets the hourly arrival rate to that which the user entered |

The user’s interactions with the menu loop

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| Step | User’s Action | System’s Response |
| 1. | Inputs option 1 |  |
| 2. |  | System prints the name, number of visits and average visit time of each patient |
| 3. |  | Restarts menu |

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| Step | User’s Action | System’s Response |
| 1. | Inputs option 2 |  |
| 2. |  | System prompts user to input a name |
| 3. | Inputs name |  |
| 4. |  | Returns the information about the patient whose name was input |
| 5. |  | Restarts menu |

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| Step | User’s Action | System’s Response |
| 1. | Inputs option 3 |  |
| 2. |  | System calculates and displays the average visit time/average severity |
| 3. |  | Restarts menu |

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| Step | User’s Action | System’s Response |
| 1. | Inputs option 4 |  |
| 2. |  | Program exits |