| E/B/I | What are you testing? | Input or code sample | Expected output | Actual output | Comment |
| --- | --- | --- | --- | --- | --- |
| E | Printing user’s email address | test\_user = Person("Doctor", "Who") print(test\_user.email) | doctor.who@msn.com | {self.first\_name.lower()}.{self.last\_name.lower()}@msn.com | Did not use format string. Will convert to f-string |
| E | Printing user’s email address | test\_user = Person("Doctor", "Who") print(test\_user.email) | doctor.who@msn.com | Text  Description automatically generated | Last\_name property does not refer to member, but refers to itself, causing an infinite loop. Need to update the property |
| E | Printing user’s email address | test\_user = Person("Doctor", "Who") print(test\_user.email) | doctor.who@msn.com | [doctor.who@msn.com](mailto:doctor.who@msn.com) | Works |
| B, E | Printing user’s email address, first name only has 1 character | test\_user = Person("D", "Who") print(test\_user.email) | d.who@msn.com | [d.who@msn.com](mailto:d.who@msn.com) | Works |
| B, I | Printing user’s email address, first name has no characters | test\_user = Person("", "Who") print(test\_user.email) | Should not be possible to have such an email address, should raise ValueError | [.who@msn.com](mailto:.who@msn.com) | Incorrectly creates an email address rather than raise ValueError |
| B, I | Printing user’s email address, first name has no characters | test\_user = Person("", "Who") print(test\_user.email) | Should not be possible to have such an email address, should raise ValueError | A screenshot of a computer  Description automatically generated with medium confidence | Works. This exception needs to be caught later in the program |
| I | Printing user’s email address when no name is supplied | test\_user = Person("", "") print(test\_user.email) | Should not be possible to have such an email address, should raise ValueError | A screenshot of a computer  Description automatically generated with medium confidence | Works. This exception needs to be caught later in the program |
| GUI Tests | | | | | |
| E | User chooses an age that is between 12 and 19 | First name: Doctor  Last name: Who  Age: 16 | Message box says “Welcome, Doctor Who” | Graphical user interface, text, application, chat or text message  Description automatically generated | Works |
|  |  |  |  |  |  |
| E, B | User chooses an age outside the age limit | First name: Doctor  Last name: Who  Age: 11 | Message box says “Sorry, Doctor Who. You must be between 12 and 19 to use this program.” | Graphical user interface, application  Description automatically generated | Works |
|  |  |  |  |  |  |
| E, B | User chooses an age outside the age limit | First name: Doctor  Last name: Who  Age: 20 | Message box says “Sorry, Doctor Who. You must be between 12 and 19 to use this program.” | Graphical user interface, text, application, chat or text message  Description automatically generated | Shows the welcome message instead.  Need to fix the age range in the click signal method. |
|  |  |  |  |  |  |
| E, B | User chooses an age outside the age limit | First name: Doctor  Last name: Who  Age: 20 | Message box says “Sorry, Doctor Who. You must be between 12 and 19 to use this program.” | Graphical user interface, application  Description automatically generated | Works |
|  |  |  |  |  |  |
| I | User enters an empty name | First name:  Last name:  Age: 16 | Message box says: “Please enter your first and last names.” | Graphical user interface, text, application, chat or text message  Description automatically generated | Shows the welcome message instead, including an empty name.  Need to check for names in the click signal function. |
|  |  |  |  |  |  |
| I | User enters an empty name | First name:  Last name:  Age: 16 | Message box says: “Please enter your first and last names.” | Graphical user interface, application  Description automatically generated | Works |