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User selects shortcut to execute application.

Testcase 1:

Inputs: **BUTTON\_EXE**

Virus Virgil shortcut: on

Expected Output: opens app to the main page

Actual Output: displays MAIN\_PAGE

Pass/Fail Criterion: MAIN\_PAGE shown

User will start at **MAIN\_PAGE**. **MAIN\_PAGE** will hold a national infection/fatality counter display and buttons (5 buttons) to access separate areas of the application.

Testcase 2:

Inputs: none

Expected Output: displays the main page and displays the buttons to access separate areas

Actual Output: displays MAIN\_PAGE with displays BUTTON\_STATE\_DATA, BUTTON\_ABOUT\_COVID, BUTTON\_ADVISORY\_MEASURES, and BUTTON\_ABOUT\_APPLICATION

Pass/Fail Criterion: MAIN\_PAGE shown

If user selects **BUTTON\_STATE\_DATA**, the application will open **PAGE\_STATE\_DATA**. **PAGE\_STATE\_DATA** will contain a vbox with a return-to-main banner, a dropdown selection tool, and an area for data display. Selecting the dropdown selection tool will open up a scrollable list of locations (states) for the user to select. Upon selection of a location (state), the data display will update with data related to the location (state) selected. Upon selection of the return-to-main banner, the user will be taken to **MAIN\_PAGE**.

Testcase 3:

Inputs: BUTTON\_STATE\_DATA pressed

Expected Output: Pull up page showing state data

Actual Output: Display PAGE\_STATE\_DATA

Pass/Fail Criterion: PAGE\_STATE\_DATA shown.

If user selects **BUTTON\_ABOUT\_COVID**, the application will open **PAGE\_ABOUT\_COVID**. **PAGE\_ABOUT\_COVID** will contain a vbox with a return-to-main banner and will display a webpage with information regarding COVID-19. Upon selection of the return-to-main banner, the user will be taken to **MAIN\_PAGE**.

Testcase 4:

Inputs:

**BUTTON\_ABOUT\_COVID**: on

**BUTTON\_RETURN\_TO\_MAIN**:on

Expected Output: **PAGE\_ABOUT\_COVID || MAIN\_PAGE**

Actual Output: ?

Pass/Fail Criterion: Actual Output == Expected Output

If user selects **BUTTON\_ADVISORY\_MEASURES**, the application will open **PAGE\_ADVISORY\_MEASURES**. **PAGE\_ADVISORY\_MEASURES** will contain a vbox with a return-to-main banner and will display a webpage with information regarding protecting yourself from COVID-19. Upon selection of the return-to-main banner, the user will be taken to **MAIN\_PAGE**.

Testcase 5:

Inputs: **BUTTON\_ADVISORY\_MEASURES** pressed by user.

Expected Output: Display Advisory Measures page with respective data.

Actual Output: **PAGE\_ADVISORY\_MEASURES** displayed.

Pass/Fail Criterion: **PAGE\_ADVISORY\_MEASURES** shown.

If user selects **BUTTON\_ABOUT\_APPLICATION**, the application will open **PAGE\_ABOUT\_APPLICATION**. **PAGE\_ABOUT\_APPLICATION** will contain a vbox with a return-to-main banner and will display information regarding application development and licensing. Upon selection of the return-to-main banner, the user will be taken to **MAIN\_PAGE**.

Testcase 6:

Inputs: **BUTTON\_ABOUT\_APPLICATION** pressed

Expected Output: Pull up page showing respective information about the application.

Actual Output: Display **PAGE\_ABOUT\_APPLICATION**

Pass/Fail Criterion: **PAGE\_ABOUT\_APPLICATION** shown.

If user selects NOTIFICATION\_CHECKBOX for receiving desktop notifications, run on autostart, etc.

Testcase 7:

Inputs: NOTIFICATION\_CHECKBOX pressed.

Expected Output: Put user on notification list.

Actual Output: User will begin to receive notifications.

Pass/Fail Criterion: User status updated on notification opt in.