Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Friendship 7" that includes

A Gtk::MenuBar with the single menu item Edit and submenu item Cut.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_edit_cut_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.

Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Project Gemini" that includes

A Gtk::MenuBar with the single menu item File and submenu item New.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_file_new_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.

Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Project Apollo" that includes

A Gtk::MenuBar with the single menu item File and submenu item Open.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_file_open_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.

Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Spirit Rover" that includes

A Gtk::MenuBar with the single menu item File and submenu item Save.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_file_save_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.

Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Voyager 1 & 2" that includes

A Gtk::MenuBar with the single menu item Edit and submenu item Paste.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_edit_paste_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.

Class Mainwin inherits from Gtk::Window. In file fr1.cpp, write ONLY the Mainwin default constructor Mainwin::Mainwin() such that it constructs a 400x200 pixel main window with title "Viking Mars Lander" that includes

A Gtk::MenuBar with the single menu item Edit and submenu item Copy.

A Gtk::Toolbar with a single tool button showing the image toolbutton.png.

A Gtk::Label as the main data area.

When the submenu item is selected, call back to the observer Mainwin::on_edit_copy_activate().

When the button is clicked, call back to the observer Mainwin::on_button_click().

Include any libraries necessary so that Mainwin::Mainwin compiles with g++'s -c flag. You do NOT need to write the observers nor provide toolbutton.png, just write Mainwin::Mainwin in file fr1.cpp and upload it.