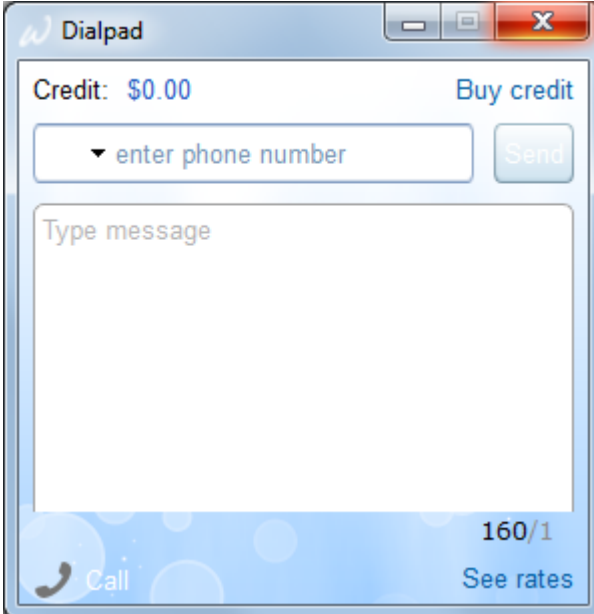


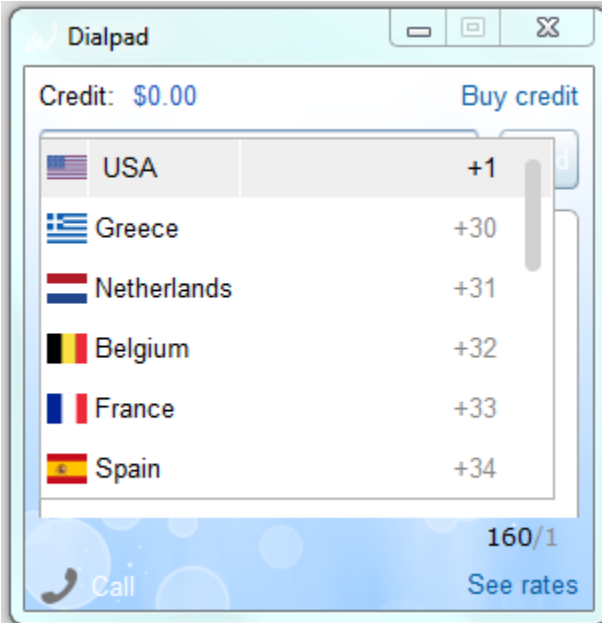
Build the dialog described below:

1. Default window:









The image shows a window titled "Dialpad" with a standard Windows-style title bar (minimize, maximize, close buttons). The window has a light blue background with a pattern of white circles at the bottom. At the top left, it says "Credit: \$0.00" and "Buy credit" is a link. Below this is a text input field with a dropdown arrow and the placeholder text "enter phone number", followed by a "Send" button. A large text area with the placeholder "Type message" is below the input field. At the bottom left, there is a "Call" button with a phone icon. At the bottom right, it says "160/1" and "See rates" is a link.

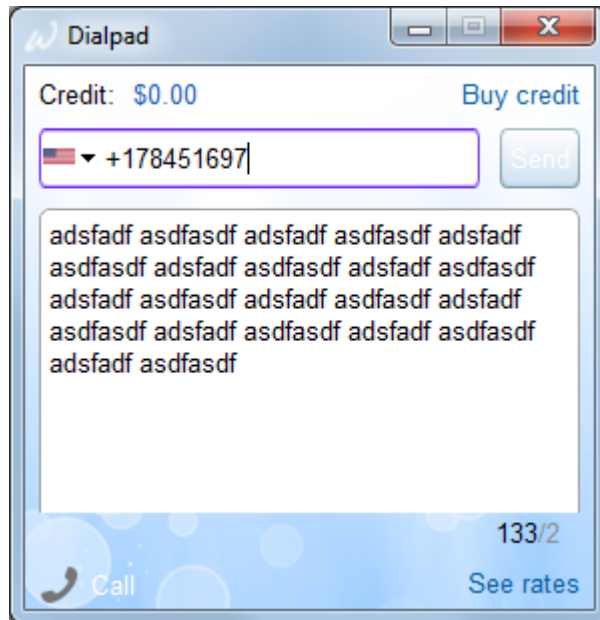
2. Countries pop-up (flag, name, prefix)



The image shows the same "Dialpad" window, but with a countries pop-up menu open. The pop-up is a list of countries with their flags, names, and international prefixes. The countries listed are USA (+1), Greece (+30), Netherlands (+31), Belgium (+32), France (+33), and Spain (+34). The pop-up has a scrollbar on the right side. The rest of the window is the same as in the first image.

Flag	Country	Prefix
	USA	+1
	Greece	+30
	Netherlands	+31
	Belgium	+32
	France	+33
	Spain	+34

3. Window with a phone numbers and an SMS message inserted in the respective fields.



Requirements:

1. Build the component that will allow the user to insert a phone number:

The phone number can be inserted in the following ways:

- ✦ copy-paste from an external application (ex: +40734567456 or 40734567456)
- ✦ completely from the keyboard
- ✦ the prefix selected from the countries pop-up, and then the number inserted from the keyboard

The component will allow the user the operations above (select, edit, copy-paste)

The component will display the correct flag associated to the phone number prefix inserted.

(Ex, copy-paste 40734239845, should show Romania's flag)

To consider this task done you should place all components (buttons, edit fields, labels) as shown into the attached images (native look and feel – without skinning but respecting the layout) and have the phone number control functional (can be populated with dummy data).

2. Into the provided archive you can find a folder named “countries” into the “resources” folder. It contains all the country flags images and a text file (CSV format) containing information regarding the countries.

Your job is to parse the CSV file and use the data for the pop-up menu of the above component, keeping in mind:

- ✦ column 1 in the CSV file contains the flag file name of the respective country,
- ✦ column 2 contains the phone prefix of the respective country,

- ✧ column 3 contains the country's name,
- ✧ column 4 contains the country's code (2 or 4 letters).

3. Make a character counter for the body of the SMS message, keeping in mind that a message body can contain a maximum of 160 characters.

4. Apply custom UI design to the rest of the components. Fonts are not required.

NOTE:

- **All the resources required for this practical test will be found in the “resources” folder.**
- **The tasks are provided into the priority order. Please follow that order when you are implementing them.**
- **Implement as much as you can in 3 hours.**