James Stephenson

**Introduction**

The program consists of the following eight classes:

1. **ShortAddress** is a super-class representing a short-form address of first name, second name and phone number.
2. **FullAddress** represents a full-form address, extending the ShortAddress super-class.
3. **AddressKeys** is a utility class providing static variables used by the Application and InputPanel classes to access the HashMap that stores the text fields.
4. **MessagePanel** is a wrapper class containing the application’s message label in a JPanel.
5. **OptionPanel** is a wrapper class containing the application’s option buttons in a JPanel.
6. **InputPanel** is a wrapper class containing the application’s input fields in a JPanel.
7. **Application** represents the application itself. Its purpose is to provide the UI, encapsulating the instantiation of the JFrame, MessagePanel, InputPanel and OptionPanel objects. It includes three inner classes implementing the ActionListener interface.
8. **Main** runs the program by creating an instance of the Application class and calling the *run* method.