```
/****
 *
 * Class AddInputErrors defines an exception object containing input error
 * conditions for the Rolodex::Add function.  AddInputErrors is a tuple of
 * on/off error flugs plus corresponding error messages, indicating an error
 * condition for each of the fields of a card being added to a rolodex and a
 * general error condition that a card of the given id is already in the
 * rolodex.
 *
 */

#ifndef addinputerrorsIncluded
#define addinputerrorsIncluded

#include "std-macros.h"
#include "str.h"

#ifdef OLD_EXCEPTION_HANDLING
extern exception AddInputErrorsException;
#endif


class AddInputErrors {
  public:
    AddInputErrors();
    /*
     * Construct this by initializing all flags to false (i.e., off) and
     * initializaing each error message to an appropriate string value.
     */

    const String* GetAlreadyThereErrorMessage();
    const String* GetNameErrorMessage();
    const String* GetIdErrorMessage();
    const String* GetAgeErrorMessage();
    const String* GetSexErrorMessage();
    const String* GetAddressErrorMessage();
    /*
     * Return the text of the error message for the respective card field if
     * the corresponding error flag is on.  Return NULL otherwise.
     */

    void SetAlreadyThereErrorMessage();
    void SetNameErrorMessage();
    void SetIdErrorMessage();
    void SetAgeErrorMessage();
    void SetSexErrorMessage();
    void SetAddressErrorMessage();
    /*
     * Turn on the error message flag for the respective card field.
     */

    void Clear();
    /*
     * Turn all error message flags off.
     */


  protected:
    bool alerr;                 // True if a card of the given id is already in
                                // the rolodex
    bool nerr;                  // True if a name error was made on input
    bool iderr;                 // True if an id error was made on input
    bool aerr;                  // True if an age error was made on input
    bool serr;                  // True if a sex error was made on input
    bool aderr;                 // True if an address error was made on input

    const String* alerrstr;     // Error message for card already there
    const String* nerrstr;      // Error message for name field
    const String* iderrstr;     // Error message for id field
    const String* aerrstr;      // Error message for age field
    const String* serrstr;      // Error message for sex field
    const String* aderrstr;     // Error message for address field
};

#endif
```