

Description of the AddressBookController

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This document contains a description of the operational behaviour of the AddressBookController interface.

1 The AddressBookController interface

1.1 The add method

The **add** method triggers the addition of a new **Entry** in the **AddressBookModel** implementation.

1.1.1 Input Parameters

The input parameters are as follows:

firstName The first name for the new contact entry. Has to be non-**null**.

lastName The surname for the new contact entry. Has to be non-**null**.

gender Indicates the gender for the new contact entry. Has to be either M or F.

phoneContactInformation The phone number for a new contact entry. Needs to be a positive number and has to consist only of digits. If **emailContactInformation** is set, this parameter needs to be **null**.

emailContactInformation The email address for a new contact entry. If **phoneContactInformation** is set, this parameter needs to be **null**.

1.1.2 Output Parameters

There are no output parameters.

1.1.3 Exceptions

Thrown Exceptions are as follows:

ParameterException In case that a parameter is incorrect. In case this exception is thrown, no entry in the address book has been made.

SizeLimitReachedException When the address book is full. In case this exception is thrown, no entry in the address book has been made.

1.2 The remove method

The **remove** method triggers the deletion of an existing entry in the **AddressBookModel** implementation.

1.2.1 Input Parameters

entry The number of the entry to delete. Numbering starts at 0. Entries are alphabetically ordered. The entry number is not allowed to refer to a non existing entry. It always has to be smaller than the number of entries in the address book. After completion of the method, the address book will not contain the referenced entry.

1.2.2 Output Parameters

None.

1.2.3 Exceptions

None.

1.3 The erase method

The **erase** method triggers the removal of all existing entries in the **AddressBookModel** implementation. The address book needs to be empty after completion of the method.

1.3.1 Input Parameters

None.

1.3.2 Output Parameters

None.

1.3.3 Exceptions

None.