Test Script

Set up

1. Change the name of `SampleData.xml` into `addressbook.xml`

2. Move the `addressbook.xml` file into `~/data/`, where `~` is the directory you have the jar file located at

3. Set up a dummy gmail account for use in synchronising contacts

Sync

Index	Command	Expected Output
S1	sync	Error message: "Please login first"
S2	login	Browser window opens for Google login (Please complete your login)
S3	sync	Google Contacts will be updated with local contacts (Might take up to 2 minutes) (Only after S2 is completed)
S4	Disable your wifi-connection and run sync after 30 seconds	Error message: "Unable to connect to the Internet. Please check your internet and firewall settings" "
S5	Enable wifi and logout	Error message: "Logged out!"
S6	sync	Error message: "Please login first"
S7	logout	Error message: "Failure logging out. Are you sure you are logged in?"
S8	login	Browser window opens for Google login (Please complete your login)

Contacts

Index	Command	Expected Output
C1	add n/John Moe	New person added: John Moe Phone: No Phone Number Email: No Email Address: No Address Note: Tags: Meetings:
C2	add n/John Moe	Error message: This person already exists in the address book
C3	add n/Bob Rob t/friend p/91234567	New person added: Bob Rob Phone: 91234567 Email: No Email Address: No Address Note: Tags: [friend] Meetings:
C4	undo	Undo success!
C5	add p/98765432	Error message: Invalid command format! add: Adds a person to the address book. Parameters: n/NAME [p/PHONE] [e/EMAIL] [a/ADDRESS] [t/TAG]... Example: add n/John Doe p/98765432 e/johnd@example.com a/311, Clementi Ave 2, #02-25 t/friends t/owesMoney (Name is compulsory for new contacts)

Index	Command	Expected Output
C6	a n/Charlie Brown e/charlieb@example. com p/91191191 a/123 address road t/friend t/neighbour	New person added: Charlie Brown Phone: 91191191 Email: charlieb@example.com Address: 123 address road Note: Tags: [friend][neighbour] Meetings:
C7	add n/Bob!	Error message: Person names should only contain alphanumeric characters and spaces, and it should not be blank
C8	add n/Amy p/invalid	Error message: Phone numbers can only contain numbers, and should be at least 3 digits long
C9	add n/Eve e/invalid	Error message: Person emails should be 2 alphanumeric/period strings separated by '@'
C10	add m/anything	Error message: Invalid command format! add: Adds a person to the address book. Parameters: n/NAME [p/PHONE] [e/EMAIL] [a/ADDRESS] [t/TAG]... Example: add n/John Doe p/98765432 e/johnd@example.com a/311, Clementi Ave 2, #02-25 t/friends t/owesMoney (Inputting invalid prefixes is not allowed)
C11	a n/Luke t/multiple words	Error message: Tag names should be alphanumeric (multiple words in tag not allowed)
C12	undo	Undo success! (Last successful command, adding Charlie Brown, is undone)
C13	delete 1	Deleted Person: Abraham Lionel Phone: No Phone Number Email: abraham@lionel.com Address: No Address Note: Has 3 children Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00] (Meetings of deleted person is also deleted from meeting list)
C14	undo	Undo success!
C15	find n/John	3 persons listed! (Only meetings of people in filtered list are shown)
C16	d 3	Deleted Person: John Moe Phone: No Phone Number Email: No Email Address: No Address Note: Tags: Meetings:
C17	delete 3	Error message: The person index provided is invalid (delete fails if filtered list is too small)
C18	list	Listed all persons
C19	d -1	Error message: Invalid command format! delete: Deletes the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) Example: delete 1
C20	d 100	Error message The person index provided is invalid
C21	edit 1 n/Ash	Edited Person: Ash Phone: No Phone Number Email: abraham@lionel.com Address: No Address Note: Has 3 children Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00] (meetings also change name)
C22	undo	Undo success!
C23	edit 100 p/120	Error message: The person index provided is invalid

Index	Command	Expected Output
C24	edit n/Hi	Error message: Invalid command format! edit: Edits the details of the person identified by the index number used in the last person listing. Existing values will be overwritten by the input values. Parameters: INDEX (must be a positive integer) [n/NAME] [p/PHONE] [e/EMAIL] [a/ADDRESS] [t/TAG]... Example: edit 1 p/91234567 e/johndoe@example.com
C25	edit 5 p/12345678	Edited Person: Betsy Crowe Phone: 12345678 Email: betsycrowe@example.com Address: Newgate Prison Note: Remember to buy eggs Tags: [wife][female] Meetings: [2017-12-15 20:00][2017-12-18 20:00]
C26	undo	Undo success!
C27	e 3 a/	Error message: Person addresses can take any values, and it should not be blank
C28	note 1 Important note	Note Added: Abraham Lionel Phone: No Phone Number Email: abraham@lionel.com Address: No Address Note: Important note Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00]
C29	note -1 Important note	Error message: Invalid command format! note: Modifies a note for the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) [NOTE]
C30	note 1	Note Added: Abraham Lionel Phone: No Phone Number Email: abraham@lionel.com Address: No Address Note: Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00]
C31	note	Error message: Invalid command format! note: Modifies a note for the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) [NOTE] Example: note 1 Has 3 children.

Organization

Index	Command	Expected Output
O1	list	Listed all persons
O2	find t/fri	Suggestion for `find t/friend` would pop up
O3	Press `Tab`	The command would be completed with `find t/friend`
O4	Press `Enter`	9 persons listed!
O5	list	Listed all persons
O6	find t/friend family	11 persons listed!
O7	list	Listed all persons
O8	find t/friend family p/81427313	12 persons listed!

Index	Command	Expected Output
O9	f e/*@example.com	9 persons listed!
O10	list	Listed all persons
O11	f e/*@example.com	18 persons listed!
O12	list	Listed all persons
O13	find n/steph?n	2 persons listed!
O14	list	Listed all persons
O15	find Bob	Error message: Invalid command format! find: Finds all persons whose specified fields contain any of the specified keywords (case-insensitive) and displays them as a list with index numbers. Parameters: [n/KEYWORD…] [p/KEYWORD…] [e/KEYWORD…] [a/KEYWORD…] [t/KEYWORD…] Example: find n/alice bob charlie p/98765432 93250124 e/johnd@example.com a/Clementi Ave t/friends owesMoney
O16	find n/John m/123	2 persons listed! (as m/ is not a valid delimiter, 'm/123' is searched as a name)
O17	list	Listed all persons
O18	sort	Error message: Invalid command format! sort: Sorts the list of contacts by the field specified and displays them as a list. Parameters: FIELD Example: sort tag
O19	sort e	suggestion for `sort email` would pop up
O20	sort email	List sorted successfully!
O21	sort phone	List sorted successfully!
O22	sort tag	List sorted successfully!
O23	sort name	List sorted successfully!
O24	sort invalid	Error message: Field provided is invalid!
O25	undo	Undo success! (sort by name is undone)
O26	redo	Redo success!
O27	list	Listed all persons

Meetings

Index	Command	Expected Output
M1	addmeeting	Error message: "Invalid command format! addmeeting: Adds a meeting to the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) MEETING NAME / MEETING TIME (YYYY-MM-DD HH:MM) Example: addmeeting 1 business / 2017-12-20 10:00"
M2	addmeeting 1 Dinner/2017-12-30 19:00	Added Meeting: Dinner
M3	addmeeting 1 Dinner/2018-02-29 19:00	Error message: "Time format should be YYYY-MM-DD HH:MM"
M4	addmeeting 2 Dinner/2017-12-30 19:00	Added Meeting: Dinner
M5	undo	Undo success!
M6	redo	Redo success!
M7	deletemeeting	Error message: "Invalid command format! deletemeeting: Deletes a meeting from the meeting list identified by the index number used in the last meeting listing. Parameters: INDEX (must be a positive integer) Example: deletemeeting 1"
M8	deletemeeting 1	Deleted Meeting: Car insurance
M9	deletemeeting -1	Error mesage: "Invalid command format! deletemeeting: Deletes a meeting from the meeting list identified by the index number used in the last meeting listing. Parameters: INDEX (must be a positive integer) Example: deletemeeting 1"
M10	select 1	"Selected Person: 1", Abraham Lionel is selected and he has 3 displayed meetings
M11	select -1	Error message: "Invalid command format! select: Selects the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) Example: select 1"
M12	dm 1	Deleted Meeting: Health insurance (deleted on the originallist, not filtered list)
M13	undo	Undo success! (undoes both bernice and abraham's deletions)
M14	click to select second contact	Alex Lim is selected, with 2 meetings
M15	undo	Undo success! M8 reverted
M16	undo	Undo success! M4 reverted
M17	undo	Undo success! M2 reverted

Tags

Index	Command	Expected Output
T1	addtag	Error message : "Invalid command format! addtag: Adds a tag to the person identified by the index number used in the last person listing. Parameters: INDEX (must be a positive integer) TAG NAME (one alphanumeric tag only) Example: addtag 1 friends"
T2	addtag 1 uncle	Added Tag: uncle
T3	addtag 1 uncle	This person already has this tag.
T4	deletetag	Error message : "Invalid command format! deletetag: Removes a given tag from a specified person. Parameters: INDEX (must be a positive integer) TAG NAME (one alphanumeric tag only) Example: deletetag 1 friends"
T5	deletetag 1 uncle	Deleted Tag: uncle
T6	deletetag 1 uncle	Error message: This person does not have this tag.
T7	find t/friend	9 persons listed!
T8	deletetag all friend	Deleted Tag: friend (the list becomes empty)
T9	list	Listed all persons
T10	find t/friend	0 persons listed!
T11	undo	Undo success!

Others

Index	Command	Expected Output
Z1	help	Opens the User Guide
Z2	restore	Unable to execute restore as there is no backup file available (Ensure ~/data/addressbook-backup.xml does not exist when executing Z2)
Z3	backup	Data has been backed up (~/data/addressbook-backup.xml is created)
Z4	clear	Address book has been cleared!
Z5	rb	Data has been restored
Z6	undo	Undo success!
Z7	redo	Redo success!
Z8	history	Entered commands (from most recent to earliest):redo undo rb ...
Z9	resize 200 200	Error message : `Invalid command format! resize: Resize the MainWindows to the specified (300< =)WIDTH(< =1920) and (230< =)HEIGHT(< =1080) Parameters: WIDTH HEIGHT Example: resize 1920 1080'
Z10	resize 8	No suggestion

Index	Command	Expected Output
Z11	resize 800 600	Resize successfully to 800*600
Z12	resize 8	suggestion for `resize 800` would pop up
Z13	resize 800 3000	Error message : `Invalid command format! resize: Resize the MainWindows to the specified (300< =)WIDTH(< =1920) and (230 ⇐)HEIGHT(< =1080) Parameters: WIDTH HEIGHT Example: resize 1920 1080'
Z14	a n/Charlie Brown e/charlieb@example. com p/91191191 a/123 address road	New person added: Charlie Brown Phone: 91191191 Email: charlieb@example.com Address: 123 address road Note: Tags: Meetings:
Z15	sync	Charlie Brown should appear as a Google Contact
Z16	add a Google contact with Name: Mary Brown Phone: 81234567 Address:Singapore Email: mary@example.com	Google Contact should be added
Z17	sync	"Synchronised" message, and Mary Brown should appear
Z18	e 1 p/91234567	"Edited Person: Abraham Lionel Phone: 91234567 Email: abraham@lionel.com Address: No Address Note: Has 3 children Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00]"
Z19	sync	"Synchronised" and Google Contact should now have Phone Number: 91234567 for Abraham Lionel
Z20	Remove Abraham Lionel's phone number in Google Contacts	Abraham Lionel's Google Contact phone number should be blank
Z21	sync	"Synchronised" and Abraham Lionel's phone number is now blank in ABC
Z22	delete 1	Deleted Person: Abraham Lionel Phone: No Phone Number Email: abraham@lionel.com Address: No Address Note: Has 3 children Tags: [colleagues][friend][male] Meetings: [2017-11-20 11:00][2017-11-30 13:00][2017-12-20 11:00]
Z23	sync	"Synchronised" and Abraham Lionel should no longer appear in Google Contacts
Z24	Delete Alex Lim in Google Contacts	Alex Lim should be deleted only in Google Contacts
Z25	sync	The first entry in ABC, Alex Lim, is now deleted
Z26	exit	The application exits