

Class hierarchy, scope and purpose document.

This is the **class hierarchy, scope and purpose document** which is part of the code challenge deliverables.

Please note that other deliverables are also provided. This includes the following deliverables:

- 1. Bill of materials (BOM) document.
- 2. API documentation.
- 3. User guide document.
- 4. Functionality test cases.

APIs and classes

All Classes

Packages

com.codechallenge.pwc.au
com.codechallenge.pwc.au.components
com.codechallenge.pwc.au.entities
com.codechallenge.pwc.au.exceptions
com.codechallenge.pwc.au.persistence
com.codechallenge.pwc.au.services
com.codechallenge.pwc.au.utils

All Classes

AddressBook
AddressBookAppCLI
AddressBookDao
AddressBookService
AddressBookUnionService
Contact
IAddressBookService
IAddressBookUnionService
IDao
InputValidationParser
InvalidPhoneNumberException
JsonUtils
RegexUtils

OVERVIEW

PACKAGE

CLASS

USE

TREE

DEPRECATED

INDEX

HELP

PREV

NEXT

FRAMES

NO FRAMES

code-challenge 0.0.1-SNAPSHOT API

Packages

Package	Description
com.codechallenge.pwc.au	
com.codechallenge.pwc.au.components	
com.codechallenge.pwc.au.entities	
com.codechallenge.pwc.au.exceptions	
com.codechallenge.pwc.au.persistence	
com.codechallenge.pwc.au.services	
com.codechallenge.pwc.au.utils	

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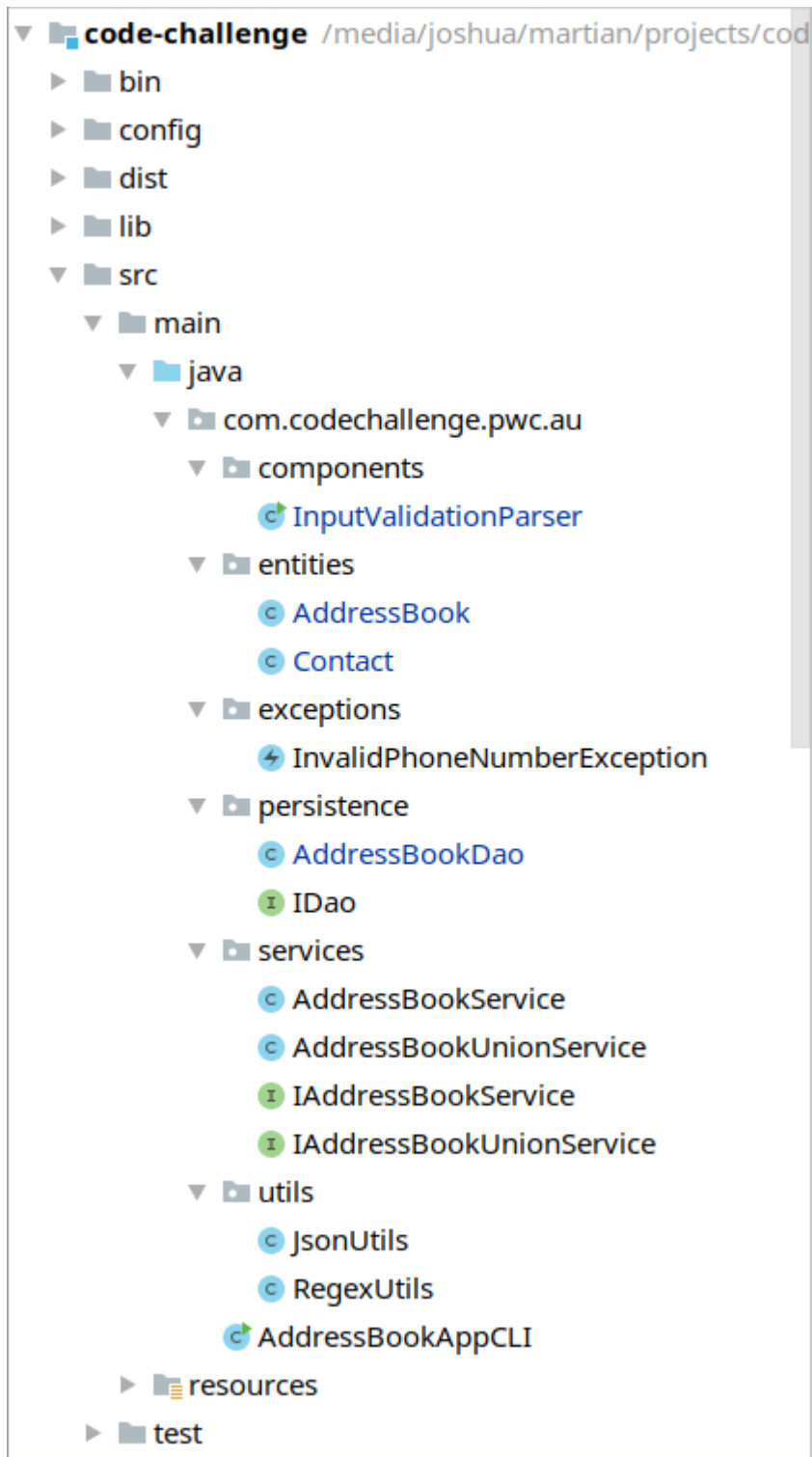
NEXT

FRAMES

NO FRAMES

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Package layout and structure



Classes and purpose

Classes	Purpose
<code>AddressBookAppCLI.java</code>	This is the main class for using AddressBookAppCLI and serves as the application entry point.
<code>components/InputValidationParser.java</code>	A utility providing command line/terminal input validation helper methods.

Classes	Purpose
<code>entities/AddressBook.java</code>	A POJO object representing the address book.
<code>entities/Contact.java</code>	A POJO object representing contact details.
<code>persistence/AddressBookDao.java</code>	An implementation of <code>IDao.java</code> which is a repository for handling CRUD operations
<code>exceptions/InvalidPhoneNumberException.java</code>	Constructs an <code>InvalidPhoneNumberException</code> with the specified message.
<code>services/AddressBookService.java</code>	An implementation of <code>IAddressBookService</code> that contains methods which perform operations with one or more models and transactions.
<code>services/AddressBookUnionService.java</code>	An implementation of <code>IAddressBookUnionService.java</code> that takes two address books and resolves the uniqueness between them.
<code>utils/JsonUtils.java</code>	A <code>Gson</code> wrapper class providing forwarding and helper methods for JSON utilities.
<code>utils/RegexUtils.java</code>	A utility providing regex helper methods.