

Alphabet
+ <u>UPPERCASE LETTERS</u> : String = "ABCDEFGHIJKLMNOPQRSTUVWXYZ" {readOnly} + <u>LOWERCASE LETTERS</u> : String = "abcdefghijklmnopqrstuvwxyz" {readOnly} + <u>NUMBERS</u> : String = "1234567890" {readOnly} + <u>SYMBOLS</u> : String = "!@#\$%^&*()-_ = + \\/~?" {readOnly} - pool : StringBuilder {readOnly}
+ Alphabet(uppercaseIncluded : boolean, lowercaseIncluded : boolean, numbersIncluded : boolean, specialCharactersIncluded : boolean) : void + getAlphabet() : String

Main
+ <u>keyboard</u> : Scanner {readOnly}
+ <u>main</u> (args : String[]) : void

Generator
- alphabet : Alphabet + <u>keyboard</u> : Scanner
+ Generator(scanner : Scanner) : void + Generator(includeUpper : boolean, includeLower : boolean, includeNum : boolean, includeSym : boolean) : void + mainLoop() : void - GeneratePassword(length : int) : Password - printUsefullInfo() : void - requestPassword() : void - isInclude(input : String) : boolean - PasswordRequestError(i : String) : void - checkPassword() : void - printMenu() : void - printQuitMessage() : void

GeneratorTest
- password : Password {readOnly} - firstAlphabet : Alphabet {readOnly} - secondAlphabet : Alphabet {readOnly} - generator : Generator {readOnly}
+ test1() : void + test2() : void + test3() : void + test4() : void + test5() : void

Password
- Value : String - Length : int
+ Password(s : String) : void + CharType(C : char) : int + PasswordStrength() : int + calculateScore() : String + toString() : String

