

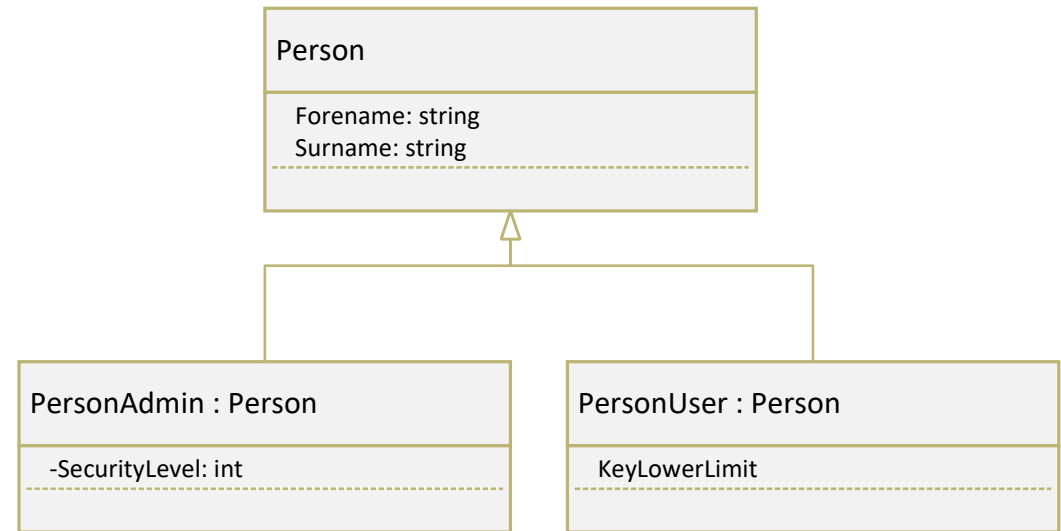
Signature Checker Data Classes

Character
Code: string Score: string

UserData
Forename: string Surname: string Username: string UserStringOriginal: string UserStringReversed: string Score: int StrengthGradeLong: string

<i>UserString</i>
Length: int Score: int GradeShort: string GradeLong: string Reversed: string -memberName

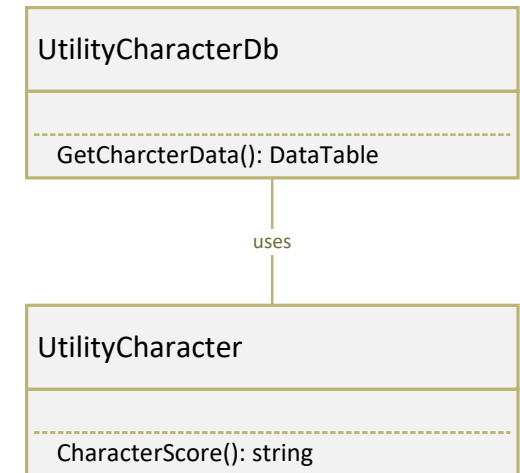
InvalidCharacter
Character: string Position: int



Signature Checker Factory Classes

UtilityValidator
StrengthRuleMinimum: int
<i>LengthRuleCheck(): bool</i> GetInvalidCharacter(): InvalidCharacter CurrentLetterScore(): int WholeStringScore(): int <i>CharacterScore(): int</i> <i>InvalidCharacterPosition(): int</i> <i>StringScore(): int</i> StrengthGradeLong(): string

UtilityString
RandomNumberAsString(): string TrimAndLower(): string ReverseString(): string MakeUsername(): string

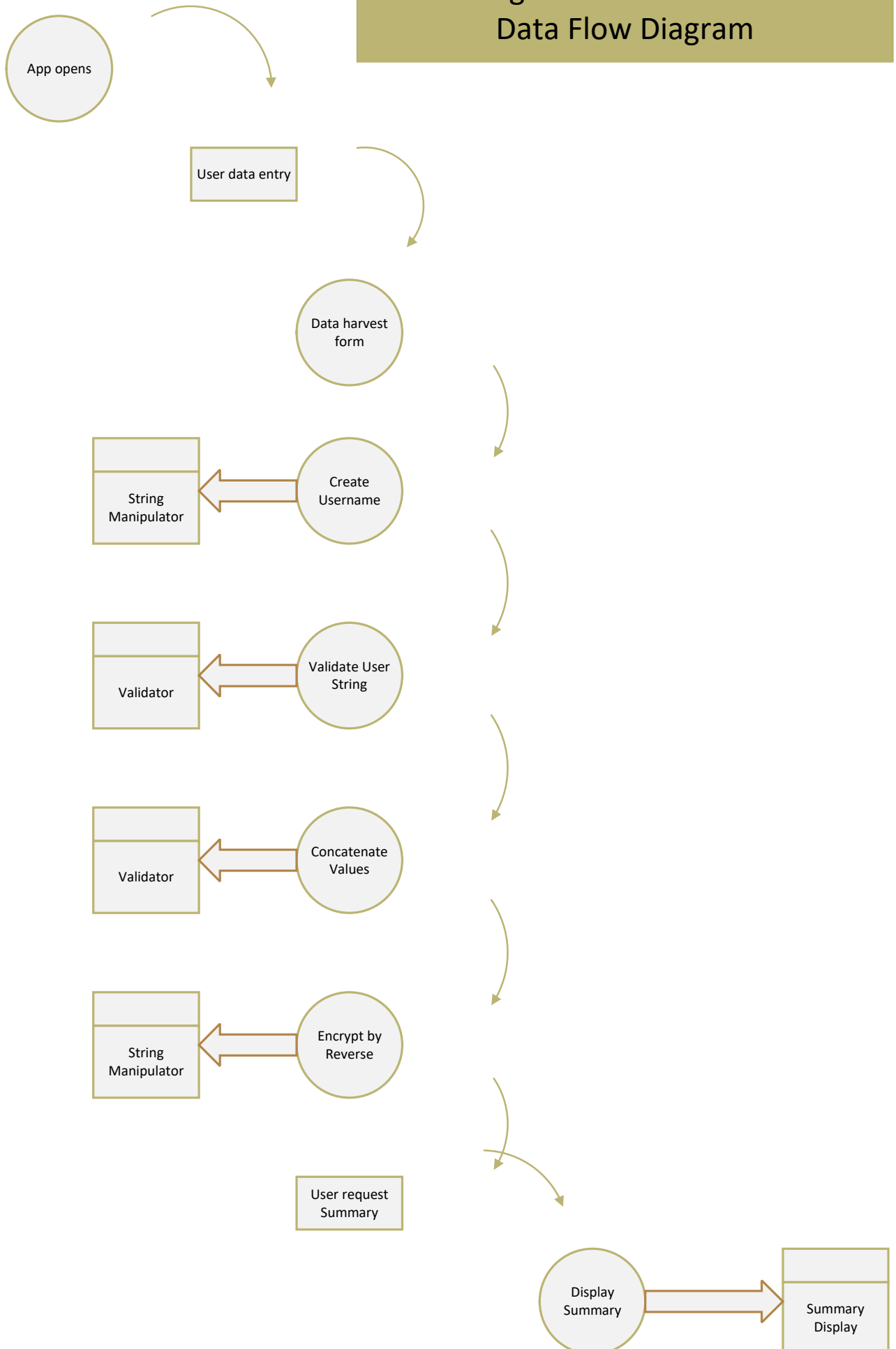


Lists
Characters(): List<Character> ValidCharacters(): List<Character> ValidCharacterCode(): List<string> <i>CharacterCodes(): List<string></i> StringFound(): bool

UtilityImportData
GetTextFileData(): DataTable

UtilityZGlobals
DatabasePath(): string LendgthRule(): int

Signature Generator Data Flow Diagram



Signature Generator App Algorithm

