TSA Simulator 2016

UML Diagrams

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| CountriesOfEntryGenerator |
| -allowedIslamistan: boolean  -allowedGuacamole: boolean  -allowedGongdong: boolean  -allowedZwambalia: boolean  -allowedMonteCristo: boolean  -allowedUruRock: boolean  -allowedUSA: boolean |
| +CountriesOfEntryGenerator()  +getCountries(): String[]  +setCountries(countries: String[]): void |

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| DateGenerator |
| -month: int  -year: int  -day: int |
| +DateGenerator()  +getMonth(): int  +getYear(): int  +getDay(): int  +toString(): String  +setMonth(month: int): void  +setYear(year: int): void  +setDay(day: int): void |

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| EntranceDateGenerator | DateOfBirthGenerator | ExpirationDateGenerator |
| No instance variables | No instance variables | No instance variables |
| +EntranceDateGenerator() | +DateOfBirthGenerator() | +ExpirationDateGenerator() |

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| DurationOfEntryGenerator |
| -duration: int |
| +DurationOfEntryGenerator()  +getDuration(): int  +setDuration(duration: int): void |

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| FieldOfWorkGenerator |
| -fieldOfWork: String |
| +FieldOfWorkGenerator()  +getField(): String  +setField(fieldOfWork: String): void |

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| IssuingCityGenerator |
| -city: String |
| +IssuingCityGenerator(country: String)  +getCity(): String  +setCity(city: String): void |

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| IssuingCountryGenerator |
| -country: String |
| +IssuingCountryGenerator()  +getCountry(): String  +setCountry(country: String): void |

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| PictureGenerator |
| -pictureNumber: int |
| +PictureGenerator(gender: boolean)  +getPictureNumber(): int  +setPictureNumber(pictureNumber: int): void |

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| ProbabilityGenerator |
| -isSomethingWrong: int  -whatIsWrong: int |
| +ProbabilityGenerator()  +isPassportWrong(): boolean  +whatIsWrong(): String |

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| PurposeOfEntryGenerator |
| -purposeOfEntry: String |
| +PurposeOfEntryGenerator()  +getPurpose(): String  +setPurpose(purposeOfEntry: String): void |

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| RandomHeightGenerator |
| -height: int |
| +RandomHeightGenerator()  +getHeight(): int  +setHeight(height: int): void |

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| RandomNameGenerator |
| -firstName: String  -lastName: String  -name: String |
| +RandomNameGenerator(sex: boolean)  +getName(): String  +getFirstName(): String  +getLastName(): String  +setName(name: String): void  +setFirstName(firstName: String): void  +setLastName(lastName: String): void |

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| RandomWeightGenerator |
| -weight: int |
| +RandomWeightGenerator()  +getWeight(): int  +setWeight(weight: int): void |

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| SexGenerator |
| -sex: boolean |
| +SexGenerator()  +getSex(): boolean  +toChar(): char  +setSex(sex: boolean): void |

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| SerialNumberGenerator |
| -String: serialNumber  -num1: int  -num2: int  -num3: int  -num4: int  -num5: int  -num6: int |
| +SerialNumberGenerator()  +getSerial(): String  +getNum1(): int  +getNum2(): int  +getNum3(): int  +getNum4(): int  +getNum5(): int  +getNum6(): int  +setSerial(serialNumber: String): void  +setNum1(num1: int): void  +setNum2(num2: int): void  +setNum3(num3: int): void  +setNum4(num4: int): void  +setNum5(num5: int): void  +setNum6(num6: int): void |

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| EntryPermit |
| -entryName: String  -serialNum: String  -purposeOfVisit: String  -durationOfVisit: int  -entranceDate: String |
| +EntryPermit()  +EntryPermit(entryName: String, serialNum: String, purposeOfVisit: String, durationOfVisit: int, entranceDate: String)  +getEntryName(): String  +getSerialNum(): String  +getPurposeOfVisit(): String  +getDurationOfVisit(): int  +getEntranceDate(): String  +setEntryName(entryName: String): void  +setSerialNum(serialNumr: String): void  +setPurposeOfVisit(purposeOfVisit: String): void  +setDurationOfVisit(durationOfVisit: int): void  +setEntranceDate(entranceDate: String): void |

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| WorkPermit |
| -workName: String  -fieldOfWork: String  -expDate: String |
| +WorkPermit()  +EntryPermit(workName: String, fieldOfWork: String, expDate: String)  +getWorkName(): String  +getFieldOfWork(): String  +getExpDate(): String  +setWorkName(workName: String): void  +setFieldOfWork(fieldOfWork: String): void  +setExpDate(expDate: String): void |

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| PrintScreen |
| -passFrame: JFrame |
| +PrintScreen(picture: PictureGenerator, spawnx: int, spawny: int): void  +printGUIPassport(passFrame: JFrame, passPhoto: ImageIcon, spawnx: int, spawny: int): void  +getPassFrame(): JFrame  +setMyVisible(passFrame: JFrame, visible: boolean): void |

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| ShowPassportWindow (extends JFrame) |
| No instance variables |
| +ShowPassportWindow(passPhoto: ImageIcon): void |

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| Passport |
| -issueCountry: String  -name: String  -dob: String  -sex: boolean  -exDate: String  -iDNum: String  -issueCity: String  -weight: int  -height: int  -pictureNumber: int |
| +Passport()  +Passport(issueCountry: String, name: String, dob: String, sex: boolean, issueCity: String, exDate: String, iDNum: String, weight: int, height: int, pictureNumber: int)  +getIssueCountry(): String  +getName(): String  +getExpDate(): String  +setWorkName(workName: String): void  +setFieldOfWork(fieldOfWork: String): void  +setExpDate(expDate: String): void |

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| DiplomaticAuthorization |
| -diplomatName: String  -serialNum: String  -allowedEntries: String[] |
| +DiplomaticAuthorization()  +DiplomaticAuthorization(diplomatName: String, serialNum: String, allowedEntries: String[])  +getDiplomatName(): String  +getSerialNum(): String  +getAllowedEntries(): String[]  +setDiplomatName(diplomat: String): void  +setSerialNum(serialNum: String): void  +setAllowedEntries(allowedEntries: String[]): void |

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| TitleScreen (implements ActionListener) |
| -startGame: boolean  -frame: JFrame  -frame1: JFrame |
| +TitleScreen(): void  +printScreen(): void  +getStartGame(): boolean  +setStartGame(startGame: boolean): void  +actionPerformed(a: ActionEvent): void |

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| Game |
| No instance variables |
| +main(args: String[]): void  +printLoading(): void  +runGame(): void  +Story1(): void  +Story2(): void  +Story3(): void  +Story4(): void  +Story5(): void  +Story6(): void  +Story7(): void  +Story8(): void  +Story9(): void  +Story10(): void |

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| Character |
| -weight: int  -height: int  -pictureNumber: int  -purposeOfVisit: String  -durationOfVisit: int |
| +Character(): void  +Character(weight: int, height: int, picutreNumber: int, purposeOfVisit: String, durationOfVisit: int)  +getWeight(): int  +getHeight(): int  +getPictureNumber(): int  +getPurposeOfVisit: String  +getDurationOfVisit: int  +setWeight(weight: int): void  +setHeight(height: int): void  +setPictureNumber(pictureNumber: int): void  +setPurposeOfVisit(purposeOfVisit: String): void  +setDurationOfVisit(durationOfVisit: int): void |