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1 Namespace Index 1

1.1 Packages . . . 1

2 Hierarchical Index 3

2.1 Class Hierarchy . . . 3

3 Class Index 5

3.1 Class List . . . 5

4 File Index 7

4.1 File List . . . 7

5 Namespace Documentation 9

5.1 Package uk.gov.gchq.syntheticdatagenerator . . . 9

5.1.1 Detailed Description . . . 9

5.2 Package uk.gov.gchq.syntheticdatagenerator.serialise . . . 9

5.2.1 Detailed Description . . . 9

5.3 Package uk.gov.gchq.syntheticdatagenerator.types . . . 10

5.3.1 Detailed Description . . . 10

5.4 Package uk.gov.gchq.syntheticdatagenerator.utils . . . 10

5.4.1 Detailed Description . . . 10

6 Class Documentation 11

6.1 uk.gov.gchq.syntheticdatagenerator.types.Address Class Reference . . . 11

6.1.1 Detailed Description . . . 12

6.1.2 Member Function Documentation . . . 12

6.1.2.1 generate() . . . 12

6.1.2.2 getCity() . . . 12

6.1.2.3 getState() . . . 13

6.1.2.4 getStreetAddressNumber() . . . 13

6.1.2.5 getStreetName() . . . 13

6.1.2.6 getZipCode() . . . 13

6.1.2.7 setCity() . . . 13

6.1.2.8 setState() . . . 14

6.1.2.9 setStreetAddressNumber() . . . 14

6.1.2.10 setStreetName() . . . 14

6.1.2.11 setZipCode() . . . 15

6.1.2.12 toString() . . . 15

6.2 uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O > Class Template Reference . . . 15

6.2.1 Detailed Description . . . 16

6.2.2 Constructor & Destructor Documentation . . . 17

6.2.2.1 AvroSerialiser() . . . 17

6.2.3 Member Function Documentation . . . 17

6.2.3.1 deserialise() . . . 17

6.2.3.2 getDomainClass() . . . 18
6.2.3.3 serialise() . . . 18
6.3 uk.gov.gchq.syntheticdatagenerator.types.BankDetails Class Reference . . . 18
6.3.1 Member Function Documentation . . . 19
6.3.1.1 generate() . . . 19
6.3.1.2 getAccountNumber() . . . 19
6.3.1.3 getSortCode() . . . 20
6.3.1.4 setAccountNumber() . . . 20
6.3.1.5 setSortCode() . . . 20
6.3.1.6 toString() . . . 20
6.4 uk.gov.gchq.syntheticdatagenerator.CreateData Class Reference . . . 21
6.4.1 Member Function Documentation . . . 21
6.4.1.1 createDaemonThreadFactory() . . . 21
6.4.1.2 main() . . . 21
6.5 uk.gov.gchq.syntheticdatagenerator.CreateDataFile Class Reference . . . 21
6.5.1 Detailed Description . . . 22
6.5.2 Constructor & Destructor Documentation . . . 22
6.5.2.1 CreateDataFile() . . . 22
6.5.3 Member Function Documentation . . . 23
6.5.3.1 call() . . . 23
6.5.3.2 getExtensionByGuava() . . . 23
6.6 uk.gov.gchq.syntheticdatagenerator.utils.DateHelper Class Reference . . . 23
6.6.1 Member Function Documentation . . . 23
6.6.1.1 generateDateOfBirth() . . . 24
6.6.1.2 generateHireDate() . . . 24
6.7 uk.gov.gchq.syntheticdatagenerator.types.Department Enum Reference . . . 24
6.7.1 Member Function Documentation . . . 24
6.7.1.1 generate() . . . 24
6.7.2 Member Data Documentation . . . 25
6.7.2.1 BUSINESS . . . 25
6.7.2.2 COMMUNICATION . . . 25
6.7.2.3 ECONOMICS . . . 25
6.7.2.4 EDUCATION . . . 25
6.7.2.5 HEALTH_SCIENCES . . . 25
6.7.2.6 HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING . . . 26
6.7.2.7 HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING_AND_TECHNOLOGY . . . 26
6.7.2.8 HUMANITIES . . . 26
6.7.2.9 LAW . . . 26
6.7.2.10 POLITICAL_SCIENCES . . . 26
6.7.2.11 SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES . . . 26
6.7.2.12 SCIENCES . . . 26
6.7.2.13 SOCIAL_SCIENCES . . . 27

6.7.2.14 TOURISM . . . 27
6.8 uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact Class Reference . . . 27
6.8.1 Member Function Documentation . . . 28
6.8.1.1 generate() . . . 28
6.8.1.2 generateMany() . . . 28
6.8.1.3 getContactName() . . . 28
6.8.1.4 getContactNumbers() . . . 29
6.8.1.5 getRelation() . . . 29
6.8.1.6 setContactName() . . . 29
6.8.1.7 setContactNumbers() . . . 29
6.8.1.8 setRelation() . . . 30
6.8.1.9 toString() . . . 30
6.9 uk.gov.gchq.syntheticdatagenerator.types.Employee Class Reference . . . 30
6.9.1 Detailed Description . . . 32
6.9.2 Member Function Documentation . . . 32
6.9.2.1 generate() . . . 32
6.9.2.2 generateUID() . . . 32
6.9.2.3 getAddress() . . . 33
6.9.2.4 getBankDetails() . . . 33
6.9.2.5 getContactNumbers() . . . 33
6.9.2.6 getDateOfBirth() . . . 34
6.9.2.7 getDepartment() . . . 34
6.9.2.8 getEmergencyContacts() . . . 34
6.9.2.9 getGrade() . . . 34
6.9.2.10 getHireDate() . . . 35
6.9.2.11 getManager() . . . 35
6.9.2.12 getName() . . . 35
6.9.2.13 getNationality() . . . 35
6.9.2.14 getSalaryAmount() . . . 36
6.9.2.15 getSalaryBonus() . . . 36
6.9.2.16 getSex() . . . 36
6.9.2.17 getTaxCode() . . . 36
6.9.2.18 getUid() . . . 37
6.9.2.19 getWorkLocation() . . . 37
6.9.2.20 setAddress() . . . 37
6.9.2.21 setBankDetails() . . . 37
6.9.2.22 setContactNumbers() . . . 38
6.9.2.23 setDateOfBirth() . . . 38
6.9.2.24 setDepartment() . . . 38
6.9.2.25 setEmergencyContacts() . . . 38
6.9.2.26 setGrade() . . . 39
6.9.2.27 setHireDate() . . . 39

6.9.2.28 setManager() . . . 39
6.9.2.29 setName() . . . 40
6.9.2.30 setNationality() . . . 40
6.9.2.31 setSalaryAmount() . . . 40
6.9.2.32 setSalaryBonus() . . . 40
6.9.2.33 setSex() . . . 41
6.9.2.34 setTaxCode() . . . 41
6.9.2.35 setUid() . . . 41
6.9.2.36 setWorkLocation() . . . 42
6.9.2.37 toString() . . . 42
6.10 uk.gov.gchq.syntheticdatagenerator.types.Grade Enum Reference . . . 42
6.10.1 Member Function Documentation . . . 42
6.10.1.1 generate() . . . 42
6.10.2 Member Data Documentation . . . 43
6.10.2.1 GRADE_1 . . . 43
6.10.2.2 GRADE_2 . . . 43
6.10.2.3 GRADE_3 . . . 43
6.10.2.4 GRADE_4 . . . 43
6.10.2.5 GRADE_5 . . . 43
6.10.2.6 GRADE_6 . . . 44
6.10.2.7 GRADE_7 . . . 44
6.10.2.8 GRADE_8 . . . 44
6.11 uk.gov.gchq.syntheticdatagenerator.types.Manager Class Reference . . . 44
6.11.1 Detailed Description . . . 45
6.11.2 Member Function Documentation . . . 45
6.11.2.1 generate() . . . 45
6.11.2.2 generateMany() . . . 45
6.11.2.3 generateRecursive() . . . 46
6.11.2.4 getManager() . . . 46
6.11.2.5 getManagerType() . . . 47
6.11.2.6 getUid() . . . 47
6.11.2.7 setManager() . . . 47
6.11.2.8 setManagerType() . . . 47
6.11.2.9 setUid() . . . 48
6.11.2.10 toString() . . . 48
6.12 uk.gov.gchq.syntheticdatagenerator.types.Nationality Enum Reference . . . 48
6.12.1 Member Function Documentation . . . 53
6.12.1.1 generate() . . . 53
6.12.2 Member Data Documentation . . . 53
6.12.2.1 AFGHAN . . . 53
6.12.2.2 ALBANIAN . . . 53
6.12.2.3 ALGERIAN . . . 53

6.12.2.4 AMERICAN . . . 54
6.12.2.5 ANDORRAN . . . 54
6.12.2.6 ANGOLAN . . . 54
6.12.2.7 ANGUILLAN . . . 54
6.12.2.8 ARGENTINE . . . 54
6.12.2.9 ARMENIAN . . . 54
6.12.2.10 AUSTRALIAN . . . 54
6.12.2.11 AUSTRIAN . . . 54
6.12.2.12 AZERBAIJANI . . . 55
6.12.2.13 BAHAMIAN . . . 55
6.12.2.14 BAHRAINI . . . 55
6.12.2.15 BANGLADESHI . . . 55
6.12.2.16 BARBADIAN . . . 55
6.12.2.17 BELARUSIAN . . . 55
6.12.2.18 BELGIAN . . . 55
6.12.2.19 BELIZEAN . . . 55
6.12.2.20 BENINESE . . . 56
6.12.2.21 BERMUDIAN . . . 56
6.12.2.22 BHUTANESE . . . 56
6.12.2.23 BOLIVIAN . . . 56
6.12.2.24 BOTSWANAN . . . 56
6.12.2.25 BRAZILIAN . . . 56
6.12.2.26 BRITISH . . . 56
6.12.2.27 BRITISH_VIRGIN_ISLANDER . . . 56
6.12.2.28 BRUNEIAN . . . 57
6.12.2.29 BULGARIAN . . . 57
6.12.2.30 BURKINAN . . . 57
6.12.2.31 BURMESE . . . 57
6.12.2.32 BURUNDIAN . . . 57
6.12.2.33 CAMBODIAN . . . 57
6.12.2.34 CAMEROONIAN . . . 57
6.12.2.35 CANADIAN . . . 57
6.12.2.36 CAPE_VERDEAN . . . 58
6.12.2.37 CAYMAN_ISLANDER . . . 58
6.12.2.38 CENTRAL_AFRICAN . . . 58
6.12.2.39 CHADIAN . . . 58
6.12.2.40 CHILEAN . . . 58
6.12.2.41 CHINESE . . . 58
6.12.2.42 CITIZEN_OF_ANTIGUA_AND_BARBUDA . . . 58
6.12.2.43 CITIZEN_OF_BOSNIA_AND_HERZEGOVINA . . . 58
6.12.2.44 CITIZEN_OF_GUINEA_BISSAU . . . 59
6.12.2.45 CITIZEN_OF_KIRIBATI . . . 59

6.12.2.46 CITIZEN_OF_SEYCHELLES . . . 59
6.12.2.47 CITIZEN_OF_THE_DOMINICAN_REPUBLIC . . . 59
6.12.2.48 CITIZEN_OF_VANUATU . . . 59
6.12.2.49 COLOMBIAN . . . 59
6.12.2.50 COMORAN . . . 59
6.12.2.51 CONGOLESE . . . 59
6.12.2.52 COOK_ISLANDER . . . 60
6.12.2.53 COSTA_RICAN . . . 60
6.12.2.54 CROATIAN . . . 60
6.12.2.55 CUBAN . . . 60
6.12.2.56 CYMRAES . . . 60
6.12.2.57 CYMRO . . . 60
6.12.2.58 CYPRIOT . . . 60
6.12.2.59 CZECH . . . 60
6.12.2.60 DANISH . . . 61
6.12.2.61 DJIBOUTIAN . . . 61
6.12.2.62 DOMINICAN . . . 61
6.12.2.63 DUTCH . . . 61
6.12.2.64 EAST_TIMORESE . . . 61
6.12.2.65 ECUADOREAN . . . 61
6.12.2.66 EGYPTIAN . . . 61
6.12.2.67 EMIRATI . . . 61
6.12.2.68 ENGLISH . . . 62
6.12.2.69 EQUATORIAL_GUINEAN . . . 62
6.12.2.70 ERITREAN . . . 62
6.12.2.71 ESTONIAN . . . 62
6.12.2.72 ETHIOPIAN . . . 62
6.12.2.73 FAROESE . . . 62
6.12.2.74 FIJIAN . . . 62
6.12.2.75 FILIPINO . . . 62
6.12.2.76 FINNISH . . . 63
6.12.2.77 FRENCH . . . 63
6.12.2.78 GABONESE . . . 63
6.12.2.79 GAMBIAN . . . 63
6.12.2.80 GEORGIAN . . . 63
6.12.2.81 GERMAN . . . 63
6.12.2.82 GHANAIAN . . . 63
6.12.2.83 GIBRALTARIAN . . . 63
6.12.2.84 GREEK . . . 64
6.12.2.85 GREENLANDIC . . . 64
6.12.2.86 GRENADIAN . . . 64
6.12.2.87 GUAMANIAN . . . 64

6.12.2.88 GUATEMALAN . . . 64
6.12.2.89 GUINEAN . . . 64
6.12.2.90 GUYANESE . . . 64
6.12.2.91 HAITIAN . . . 64
6.12.2.92 HONDURAN . . . 65
6.12.2.93 HONG_KONGER . . . 65
6.12.2.94 HUNGARIAN . . . 65
6.12.2.95 ICELANDIC . . . 65
6.12.2.96 INDIAN . . . 65
6.12.2.97 INDONESIAN . . . 65
6.12.2.98 IRANIAN . . . 65
6.12.2.99 IRAQI . . . 65
6.12.2.100 IRISH . . . 66
6.12.2.101 ISRAELI . . . 66
6.12.2.102 ITALIAN . . . 66
6.12.2.103 IVORIAN . . . 66
6.12.2.104 JAMAICAN . . . 66
6.12.2.105 JAPANESE . . . 66
6.12.2.106 JORDANIAN . . . 66
6.12.2.107 KAZAKH . . . 66
6.12.2.108 KENYAN . . . 67
6.12.2.109 KITTITIAN . . . 67
6.12.2.110 KOSOVAN . . . 67
6.12.2.111 KUWAITI . . . 67
6.12.2.112 KYRGYZ . . . 67
6.12.2.113 LAO . . . 67
6.12.2.114 LATVIAN . . . 67
6.12.2.115 LEBANESE . . . 67
6.12.2.116 LIBERIAN . . . 68
6.12.2.117 LIBYAN . . . 68
6.12.2.118 LIECHTENSTEIN_CITIZEN . . . 68
6.12.2.119 LITHUANIAN . . . 68
6.12.2.120 LUXEMBOURGER . . . 68
6.12.2.121 MACANESE . . . 68
6.12.2.122 MACEDONIAN . . . 68
6.12.2.123 MALAGASY . . . 68
6.12.2.124 MALAWIAN . . . 69
6.12.2.125 MALAYSIAN . . . 69
6.12.2.126 MALDIVIAN . . . 69
6.12.2.127 MALIAN . . . 69
6.12.2.128 MALTESE . . . 69
6.12.2.129 MARSHALLESE . . . 69

6.12.2.130 MARTINIQUAIS . . . 69
6.12.2.131 MAURITANIAN . . . 69
6.12.2.132 MAURITIAN . . . 70
6.12.2.133 MEXICAN . . . 70
6.12.2.134 MICRONESIAN . . . 70
6.12.2.135 MOLDOVAN . . . 70
6.12.2.136 MONEGASQUE . . . 70
6.12.2.137 MONGOLIAN . . . 70
6.12.2.138 MONTENEGRIN . . . 70
6.12.2.139 MONTSERRATIAN . . . 70
6.12.2.140 MOROCCAN . . . 71
6.12.2.141 MOSOTHO . . . 71
6.12.2.142 MOZAMBICAN . . . 71
6.12.2.143 NAMIBIAN . . . 71
6.12.2.144 NAURUAN . . . 71
6.12.2.145 NEPALESE . . . 71
6.12.2.146 NEW_ZEALANDER . . . 71
6.12.2.147 NICARAGUAN . . . 71
6.12.2.148 NIGERIAN . . . 72
6.12.2.149 NIGERIEN . . . 72
6.12.2.150 NIUEAN . . . 72
6.12.2.151 NORTH_KOREAN . . . 72
6.12.2.152 NORTHERN_IRISH . . . 72
6.12.2.153 NORWEGIAN . . . 72
6.12.2.154 OMANI . . . 72
6.12.2.155 PAKISTANI . . . 72
6.12.2.156 PALAUAN . . . 73
6.12.2.157 PALESTINIAN . . . 73
6.12.2.158 PANAMANIAN . . . 73
6.12.2.159 PAPUA_NEW_GUINEAN . . . 73
6.12.2.160 PARAGUAYAN . . . 73
6.12.2.161 PERUVIAN . . . 73
6.12.2.162 PITCAIRN_ISLANDER . . . 73
6.12.2.163 POLISH . . . 73
6.12.2.164 PORTUGUESE . . . 74
6.12.2.165 PRYDEINIG . . . 74
6.12.2.166 PUERTO_RICAN . . . 74
6.12.2.167 QATARI . . . 74
6.12.2.168 ROMANIAN . . . 74
6.12.2.169 RUSSIAN . . . 74
6.12.2.170 RWANDAN . . . 74
6.12.2.171 SALVADOREAN . . . 74

6.12.2.172 SAMMARINESE . . . 75
6.12.2.173 SAMOAN . . . 75
6.12.2.174 SAO_TOMEAN . . . 75
6.12.2.175 SAUDI_ARABIAN . . . 75
6.12.2.176 SCOTTISH . . . 75
6.12.2.177 SENEGALESE . . . 75
6.12.2.178 SERBIAN . . . 75
6.12.2.179 SIERRA_LEONEAN . . . 75
6.12.2.180 SINGAPOREAN . . . 76
6.12.2.181 SLOVAK . . . 76
6.12.2.182 SLOVENIAN . . . 76
6.12.2.183 SOLOMON_ISLANDER . . . 76
6.12.2.184 SOMALI . . . 76
6.12.2.185 SOUTH_AFRICAN . . . 76
6.12.2.186 SOUTH_KOREAN . . . 76
6.12.2.187 SOUTH_SUDANESE . . . 76
6.12.2.188 SPANISH . . . 77
6.12.2.189 SRI_LANKAN . . . 77
6.12.2.190 ST_HELENIAN . . . 77
6.12.2.191 ST_LUCIAN . . . 77
6.12.2.192 STATELESS . . . 77
6.12.2.193 SUDANESE . . . 77
6.12.2.194 SURINAMESE . . . 77
6.12.2.195 SWAZI . . . 77
6.12.2.196 SWEDISH . . . 78
6.12.2.197 SWISS . . . 78
6.12.2.198 SYRIAN . . . 78
6.12.2.199 TAIWANESE . . . 78
6.12.2.200 TAJIK . . . 78
6.12.2.201 TANZANIAN . . . 78
6.12.2.202 THAI . . . 78
6.12.2.203 TOGOLESE . . . 78
6.12.2.204 TONGAN . . . 79
6.12.2.205 TRINIDADIAN . . . 79
6.12.2.206 TRISTANIAN . . . 79
6.12.2.207 TUNISIAN . . . 79
6.12.2.208 TURKISH . . . 79
6.12.2.209 TURKMEN . . . 79
6.12.2.210 TURKS_AND_CAICOS_ISLANDER . . . 79
6.12.2.211 TUVALUAN . . . 79
6.12.2.212 UGANDAN . . . 80
6.12.2.213 UKRAINIAN . . . 80

6.12.2.214 URUGUAYAN . . . 80
6.12.2.215 UZBEK . . . 80
6.12.2.216 VATICAN_CITIZEN . . . 80
6.12.2.217 VENEZUELAN . . . 80
6.12.2.218 VIETNAMESE . . . 80
6.12.2.219 VINCENTIAN . . . 80
6.12.2.220 WALLISIAN . . . 81
6.12.2.221 WELSH . . . 81
6.12.2.222 YEMENI . . . 81
6.12.2.223 ZAMBIAN . . . 81
6.12.2.224 ZIMBABWEAN . . . 81
6.13 uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber Class Reference . . . 81
6.13.1 Member Function Documentation . . . 82
6.13.1.1 generate() . . . 82
6.13.1.2 generateMany() . . . 82
6.13.1.3 getPhoneNumber() . . . 83
6.13.1.4 getType() . . . 83
6.13.1.5 setPhoneNumber() . . . 83
6.13.1.6 setType() . . . 84
6.13.1.7 toString() . . . 84
6.14 uk.gov.gchq.syntheticdatagenerator.types.Relation Enum Reference . . . 84
6.14.1 Member Function Documentation . . . 84
6.14.1.1 generate() . . . 84
6.14.2 Member Data Documentation . . . 85
6.14.2.1 CHILDREN . . . 85
6.14.2.2 COUSIN . . . 85
6.14.2.3 GRANDPARENT . . . 85
6.14.2.4 PARENT . . . 85
6.14.2.5 SIBLING . . . 85
6.15 uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I > Interface Template Reference . . . 86
6.15.1 Detailed Description . . . 86
6.15.2 Member Function Documentation . . . 86
6.15.2.1 deserialise() . . . 86
6.15.2.2 getClassName() . . . 87
6.15.2.3 serialise() . . . 87
6.15.2.4 setClassName() . . . 87
6.16 uk.gov.gchq.syntheticdatagenerator.types.Sex Enum Reference . . . 88
6.16.1 Member Function Documentation . . . 88
6.16.1.1 generate() . . . 88
6.16.2 Member Data Documentation . . . 88
6.16.2.1 FEMALE . . . 88
6.16.2.2 MALE . . . 88

6.16.2.3 NOT_KNOWN . . . 89
6.16.2.4 NOT_SPECIFIED . . . 89
6.17 uk.gov.gchq.syntheticdatagenerator.types.Subject Enum Reference . . . 89
6.17.1 Member Function Documentation . . . 89
6.17.1.1 generate() . . . 89
6.17.2 Member Data Documentation . . . 90
6.17.2.1 ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_ESPECIFICO . . . 90
6.17.2.2 COMPLEJIDAD_COMPUTACIONAL . . . 90
6.17.2.3 DESARROLLO_Y_MANTENIMENTO_DE_SISTEMAS_DE_INFORMACION . . . 90
6.17.2.4 GESTION_DE_LA_INNOVACION . . . 90
6.17.2.5 GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES . . . 90
6.17.2.6 INGENIERIA_LOGISTICA . . . 91
6.17.2.7 INTERFACES_INTELIGENTES . . . 91
6.17.2.8 LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS . . . 91
6.17.2.9 NORMATIVA_Y_REGULACION . . . 91
6.17.2.10 ROBOTICA_COMPUTACIONAL . . . 91
6.17.2.11 SEGURIDAD_DE_SISTEMAS_INFORMATICOS . . . 91
6.17.2.12 SISTEMAS_DE_INFORMACION_CONTABLE . . . 91
6.17.2.13 SISTEMAS_EMPOTRADOS . . . 91
6.17.2.14 SISTEMAS_INTELIGENTES . . . 92
6.17.2.15 SISTEMAS_Y_TECNOLOGIAS_WEB . . . 92
6.17.2.16 TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_ORGANIZACIONES . . . 92
6.17.2.17 VISION_POR_COMPUTADOR . . . 92
6.18 uk.gov.gchq.syntheticdatagenerator.types.Teacher Class Reference . . . 92
6.18.1 Detailed Description . . . 94
6.18.2 Member Function Documentation . . . 94
6.18.2.1 generate() . . . 94
6.18.2.2 generateUID() . . . 95
6.18.2.3 getAddress() . . . 95
6.18.2.4 getContactNumbers() . . . 95
6.18.2.5 getDateOfBirth() . . . 95
6.18.2.6 getDepartment() . . . 96
6.18.2.7 getEmergencyContacts() . . . 96
6.18.2.8 getHireDate() . . . 96
6.18.2.9 getManager() . . . 96
6.18.2.10 getName() . . . 97
6.18.2.11 getNationality() . . . 97
6.18.2.12 getSalaryAmount() . . . 97
6.18.2.13 getSalaryBonus() . . . 97
6.18.2.14 getSex() . . . 98
6.18.2.15 getSubject() . . . 98
6.18.2.16 getUid() . . . 98

6.18.2.17 getWorkLocation() . . . 98
6.18.2.18 setAddress() . . . 98
6.18.2.19 setContactNumbers() . . . 99
6.18.2.20 setDateOfBirth() . . . 99
6.18.2.21 setDepartment() . . . 99
6.18.2.22 setEmergencyContacts() . . . 100
6.18.2.23 setHireDate() . . . 100
6.18.2.24 setManager() . . . 100
6.18.2.25 setName() . . . 100
6.18.2.26 setNationality() . . . 101
6.18.2.27 setSalaryAmount() . . . 101
6.18.2.28 setSalaryBonus() . . . 101
6.18.2.29 setSex() . . . 102
6.18.2.30 setSubject() . . . 102
6.18.2.31 setUid() . . . 102
6.18.2.32 setWorkLocation() . . . 102
6.18.2.33 toString() . . . 103
6.19 uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker Class Reference . . . 103
6.19.1 Member Function Documentation . . . 103
6.19.1.1 getFaker() . . . 103
6.19.1.2 unloadFaker() . . . 104
6.19.1.3 unloadRandom() . . . 104
6.20 uk.gov.gchq.syntheticdatagenerator.types.UserId Class Reference . . . 104
6.20.1 Detailed Description . . . 105
6.20.2 Constructor & Destructor Documentation . . . 105
6.20.2.1 UserId() . . . 105
6.20.3 Member Function Documentation . . . 105
6.20.3.1 equals() . . . 105
6.20.3.2 getId() . . . 105
6.20.3.3 hashCode() . . . 105
6.20.3.4 id() . . . 105
6.20.3.5 setId() . . . 106
6.20.3.6 toString() . . . 106
6.21 uk.gov.gchq.syntheticdatagenerator.types.WorkLocation Class Reference . . . 106
6.21.1 Member Function Documentation . . . 107
6.21.1.1 generate() . . . 107
6.21.1.2 getAddress() . . . 107
6.21.1.3 getWorkLocationName() . . . 108
6.21.1.4 setAddress() . . . 108
6.21.1.5 setWorkLocationName() . . . 108
6.21.1.6 toString() . . . 108
6.22 uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName Enum Reference . . . 109

6.22.1 Member Function Documentation . . . 109
6.22.1.1 generate() . . . 110
6.22.2 Member Data Documentation . . . 110
6.22.2.1 ADEJE . . . 110
6.22.2.2 ALBACETE . . . 110
6.22.2.3 ALICANTE . . . 110
6.22.2.4 ALMERIA . . . 110
6.22.2.5 ARRECIFE . . . 110
6.22.2.6 BARCELONA . . . 111
6.22.2.7 BILBAO . . . 111
6.22.2.8 BURGOS . . . 111
6.22.2.9 CADIZ . . . 111
6.22.2.10 CORDOBA . . . 111
6.22.2.11 GETAFE . . . 111
6.22.2.12 GIJON . . . 111
6.22.2.13 GRANADA . . . 111
6.22.2.14 HUELVA . . . 112
6.22.2.15 JEREZ_DE_LA_FRONTERA . . . 112
6.22.2.16 LAS_PALMAS_DE_GRAN_CANARIA . . . 112
6.22.2.17 MADRID . . . 112
6.22.2.18 MALAGA . . . 112
6.22.2.19 MARBELLA . . . 112
6.22.2.20 MURCIA . . . 112
6.22.2.21 PALMA_DE_MALLORCA . . . 112
6.22.2.22 PAMPLONA . . . 113
6.22.2.23 PUERTO_DE_LA_CRUZ . . . 113
6.22.2.24 PUERTO_DEL_ROSARIO . . . 113
6.22.2.25 SALAMANCA . . . 113
6.22.2.26 SAN_CRISTOBAL_DE_LA_LAGUNA . . . 113
6.22.2.27 SAN_SEBASTIAN . . . 113
6.22.2.28 SAN_SEBASTIAN_DE_LA_GOMERA . . . 113
6.22.2.29 SANTA_CRUZ_DE_TENERIFE . . . 113
6.22.2.30 SANTANDER . . . 114
6.22.2.31 SEVILLA . . . 114
6.22.2.32 TARRAGONA . . . 114
6.22.2.33 TOLEDO . . . 114
6.22.2.34 VALENCIA . . . 114
6.22.2.35 VALLADOLID . . . 114
6.22.2.36 VIGO . . . 114
6.22.2.37 VITORIA . . . 114
6.22.2.38 ZARAGOZA . . . 114

7 File Documentation **115**

7.1 java/uk/gov/gchq/syntheticdatagenerator/CreateData.java File Reference 115

7.2 java/uk/gov/gchq/syntheticdatagenerator/CreateDataFile.java File Reference 115

7.3 java/uk/gov/gchq/syntheticdatagenerator/package-info.java File Reference 115

7.4 java/uk/gov/gchq/syntheticdatagenerator/serialise/package-info.java File Reference 116

7.5 java/uk/gov/gchq/syntheticdatagenerator/types/package-info.java File Reference 116

7.6 java/uk/gov/gchq/syntheticdatagenerator/utils/package-info.java File Reference 116

7.7 java/uk/gov/gchq/syntheticdatagenerator/serialise/AvroSerialiser.java File Reference 116

7.8 java/uk/gov/gchq/syntheticdatagenerator/serialise/Serialiser.java File Reference 116

7.9 java/uk/gov/gchq/syntheticdatagenerator/types/Address.java File Reference 117

7.10 java/uk/gov/gchq/syntheticdatagenerator/types/BankDetails.java File Reference 117

7.11 java/uk/gov/gchq/syntheticdatagenerator/types/Department.java File Reference 117

7.12 java/uk/gov/gchq/syntheticdatagenerator/types/EmergencyContact.java File Reference 117

7.13 java/uk/gov/gchq/syntheticdatagenerator/types/Employee.java File Reference 118

7.14 java/uk/gov/gchq/syntheticdatagenerator/types/Grade.java File Reference 118

7.15 java/uk/gov/gchq/syntheticdatagenerator/types/Manager.java File Reference 118

7.16 java/uk/gov/gchq/syntheticdatagenerator/types/Nationality.java File Reference 119

7.17 java/uk/gov/gchq/syntheticdatagenerator/types/PhoneNumber.java File Reference 119

7.18 java/uk/gov/gchq/syntheticdatagenerator/types/Relation.java File Reference 119

7.19 java/uk/gov/gchq/syntheticdatagenerator/types/Sex.java File Reference 119

7.20 java/uk/gov/gchq/syntheticdatagenerator/types/Subject.java File Reference 120

7.21 java/uk/gov/gchq/syntheticdatagenerator/types/Teacher.java File Reference 120

7.22 java/uk/gov/gchq/syntheticdatagenerator/types/ThreadLocalFaker.java File Reference 120

7.23 java/uk/gov/gchq/syntheticdatagenerator/types/UserId.java File Reference 120

7.24 java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation.java File Reference 121

7.25 java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocationName.java File Reference 121

7.26 java/uk/gov/gchq/syntheticdatagenerator/utils/DateHelper.java File Reference 121

Index **123**

Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

uk.gov.gchq.syntheticdatagenerator 9
uk.gov.gchq.syntheticdatagenerator.serialise 9
uk.gov.gchq.syntheticdatagenerator.types 10
uk.gov.gchq.syntheticdatagenerator.utils 10

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

uk.gov.gchq.syntheticdatagenerator.CreateData . . . 21
uk.gov.gchq.syntheticdatagenerator.utils.DateHelper . . . 23
uk.gov.gchq.syntheticdatagenerator.types.Department . . . 24
uk.gov.gchq.syntheticdatagenerator.types.Grade . . . 42
uk.gov.gchq.syntheticdatagenerator.types.Nationality . . . 48
uk.gov.gchq.syntheticdatagenerator.types.Relation . . . 84
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< O > . . . 86
    uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O > . . . 15
uk.gov.gchq.syntheticdatagenerator.types.Sex . . . 88
uk.gov.gchq.syntheticdatagenerator.types.Subject . . . 89
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker . . . 103
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName . . . 109
Callable
    uk.gov.gchq.syntheticdatagenerator.CreateDataFile . . . 21
Serializable
    uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I > . . . 86
    uk.gov.gchq.syntheticdatagenerator.types.Address . . . 11
    uk.gov.gchq.syntheticdatagenerator.types.BankDetails . . . 18
    uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact . . . 27
    uk.gov.gchq.syntheticdatagenerator.types.Employee . . . 30
    uk.gov.gchq.syntheticdatagenerator.types.Manager . . . 44
    uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber . . . 81
    uk.gov.gchq.syntheticdatagenerator.types.Teacher . . . 92
    uk.gov.gchq.syntheticdatagenerator.types.UserId . . . 104
    uk.gov.gchq.syntheticdatagenerator.types.WorkLocation . . . 106

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

uk.gov.gchq.syntheticdatagenerator.types.Address
This class creates random values for an address . . . 11
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O > . . . 15
uk.gov.gchq.syntheticdatagenerator.types.BankDetails . . . 18
uk.gov.gchq.syntheticdatagenerator.CreateData . . . 21
uk.gov.gchq.syntheticdatagenerator.CreateDataFile
This class creates a data file . . . 21
uk.gov.gchq.syntheticdatagenerator.utils.DateHelper . . . 23
uk.gov.gchq.syntheticdatagenerator.types.Department . . . 24
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact . . . 27
uk.gov.gchq.syntheticdatagenerator.types.Employee
This class generates random values for the entity Employee . . . 30
uk.gov.gchq.syntheticdatagenerator.types.Grade . . . 42
uk.gov.gchq.syntheticdatagenerator.types.Manager
This class creates random values for a manager . . . 44
uk.gov.gchq.syntheticdatagenerator.types.Nationality . . . 48
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber . . . 81
uk.gov.gchq.syntheticdatagenerator.types.Relation . . . 84
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I > . . . 86
uk.gov.gchq.syntheticdatagenerator.types.Sex . . . 88
uk.gov.gchq.syntheticdatagenerator.types.Subject . . . 89
uk.gov.gchq.syntheticdatagenerator.types.Teacher
This class generates random values for the entity teacher . . . 92
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker . . . 103
uk.gov.gchq.syntheticdatagenerator.types.UserId . . . 104
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation . . . 106
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName . . . 109

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

java/uk/gov/gchq/syntheticdatagenerator/CreateData.java . . . 115
java/uk/gov/gchq/syntheticdatagenerator/CreateDataFile.java . . . 115
java/uk/gov/gchq/syntheticdatagenerator/package-info.java . . . 115
java/uk/gov/gchq/syntheticdatagenerator/serialise/AvroSerialiser.java . . . 116
java/uk/gov/gchq/syntheticdatagenerator/serialise/package-info.java . . . 116
java/uk/gov/gchq/syntheticdatagenerator/serialise/Serialiser.java . . . 116
java/uk/gov/gchq/syntheticdatagenerator/types/Address.java . . . 117
java/uk/gov/gchq/syntheticdatagenerator/types/BankDetails.java . . . 117
java/uk/gov/gchq/syntheticdatagenerator/types/Department.java . . . 117
java/uk/gov/gchq/syntheticdatagenerator/types/EmergencyContact.java . . . 117
java/uk/gov/gchq/syntheticdatagenerator/types/Employee.java . . . 118
java/uk/gov/gchq/syntheticdatagenerator/types/Grade.java . . . 118
java/uk/gov/gchq/syntheticdatagenerator/types/Manager.java . . . 118
java/uk/gov/gchq/syntheticdatagenerator/types/Nationality.java . . . 119
java/uk/gov/gchq/syntheticdatagenerator/types/package-info.java . . . 116
java/uk/gov/gchq/syntheticdatagenerator/types/PhoneNumber.java . . . 119
java/uk/gov/gchq/syntheticdatagenerator/types/Relation.java . . . 119
java/uk/gov/gchq/syntheticdatagenerator/types/Sex.java . . . 119
java/uk/gov/gchq/syntheticdatagenerator/types/Subject.java . . . 120
java/uk/gov/gchq/syntheticdatagenerator/types/Teacher.java . . . 120
java/uk/gov/gchq/syntheticdatagenerator/types/ThreadLocalFaker.java . . . 120
java/uk/gov/gchq/syntheticdatagenerator/types/UserId.java . . . 120
java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation.java . . . 121
java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocationName.java . . . 121
java/uk/gov/gchq/syntheticdatagenerator/utils/DateHelper.java . . . 121
java/uk/gov/gchq/syntheticdatagenerator/utils/package-info.java . . . 116

Chapter 5

Namespace Documentation

5.1 Package uk.gov.gchq.syntheticdatagenerator

Packages

- package serialise
- package types
- package utils

Classes

- class CreateData
- class CreateDataFile

  This class creates a data file.

5.1.1 Detailed Description

Root package for all synthetic data generator code

5.2 Package uk.gov.gchq.syntheticdatagenerator.serialise

Classes

- class AvroSerialiser
- interface Serialiser

5.2.1 Detailed Description

Serialisers to read and write the data generated classes

5.3 Package uk.gov.gchq.syntheticdatagenerator.types

Classes

- class Address

  This class creates random values for an address.
- class BankDetails
- enum Department
- class EmergencyContact
- class Employee

  This class generates random values for the entity Employee.
- enum Grade
- class Manager

  This class creates random values for a manager.
- enum Nationality
- class PhoneNumber
- enum Relation
- enum Sex
- enum Subject
- class Teacher

  This class generates random values for the entity teacher.
- class ThreadLocalFaker
- class UserId
- class WorkLocation
- enum WorkLocationName

5.3.1 Detailed Description

The different type classes used for generating the data

5.4 Package uk.gov.gchq.syntheticdatagenerator.utils

Classes

- class DateHelper

5.4.1 Detailed Description

Utility classes for read and write the data generated classes

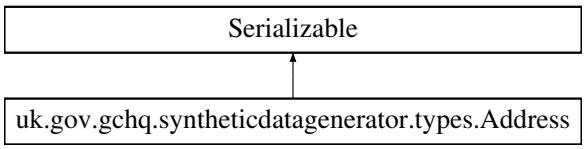
Chapter 6

Class Documentation

6.1 uk.gov.gchq.syntheticdatagenerator.types.Address Class Reference

This class creates random values for an address.

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.Address:



Public Member Functions

- String getStreetAddressNumber ()

  This method returns the street address number.
- void setStreetAddressNumber (final String streetAddressNumber)

  This method assigns a street number address.
- String getStreetName ()

  This method returns the street name.
- void setStreetName (final String streetName)

  This method assigns a street name.
- String getCity ()

  This method returns the city.
- void setCity (final String city)

  This method assigns a city.
- String getState ()

  This method returns the state.
- void setState (final String state)

  This method assigns a state.
- String getZipCode ()

  This method returns the zip code of a city.
- void setZipCode (final String zipCode)

  This method assigns the zip code of a country.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static Address generate (final Faker faker, final Random random)

  This method generates addresses.

6.1.1 Detailed Description

This class creates random values for an address.

6.1.2 Member Function Documentation

6.1.2.1 generate()

```
static Address uk.gov.gchq.syntheticdatagenerator.types.Address.generate (
            final Faker faker,
            final Random random )  [static]
```

This method generates addresses.

Parameters

faker	fake data values
random	random value

Returns

generated addresses

6.1.2.2 getCity()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.getCity ( )
```

This method returns the city.

Returns

city

6.1.2.3 getState()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.getState ( )
```

This method returns the state.

Returns

state

6.1.2.4 getStreetAddressNumber()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.getStreetAddressNumber ( )
```

This method returns the street address number.

Returns

street address number

6.1.2.5 getStreetName()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.getStreetName ( )
```

This method returns the street name.

Returns

street name

6.1.2.6 getZipCode()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.getZipCode ( )
```

This method returns the zip code of a city.

Returns

zip code

6.1.2.7 setCity()

```
void uk.gov.gchq.syntheticdatagenerator.types.Address.setCity (
            final String city )
```

This method assigns a city.

Parameters

city	city

6.1.2.8 setState()

```
void uk.gov.gchq.syntheticdatagenerator.types.Address.setState (
            final String state )
```

This method assigns a state.

Parameters

state	state

6.1.2.9 setStreetAddressNumber()

```
void uk.gov.gchq.syntheticdatagenerator.types.Address.setStreetAddressNumber (
            final String streetAddressNumber )
```

This method assigns a street number address.

Parameters

streetAddressNumber	street number address

6.1.2.10 setStreetName()

```
void uk.gov.gchq.syntheticdatagenerator.types.Address.setStreetName (
            final String streetName )
```

This method assigns a street name.

Parameters

streetName	street name

6.1.2.11 setZipCode()

```
void uk.gov.gchq.syntheticdatagenerator.types.Address.setZipCode (
            final String zipCode )
```

This method assigns the zip code of a country.

Parameters

zipCode	zip code

6.1.2.12 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.Address.toString ( )
```

Change attributes to a string format.

Returns

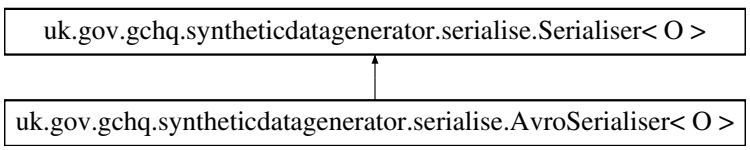
attributes in string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Address.java

6.2 uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O > Class Template Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >:



Public Member Functions

- AvroSerialiser (@JsonProperty("domainClass") final Class< O > domainClass)

  This method builds a domain in order to create serialization in avro format.
- Stream< O > deserialise (final InputStream input) throws IOException

  This method deserializes the format of the input data.
- void serialise (final Stream< O > objects, final OutputStream output) throws IOException

  This method serialize the format of the input data.
- Class< O > getDomainClass ()

  This class return the domain class.

6.2.1 Detailed Description

An
`AvroInputStreamSerialiser`

is used to serialise and deserialise Avro files. Converts an avro InputStream to/from a Stream of domain objects (Os).

Parameters

<O>	the domain object type

6.2.2 Constructor & Destructor Documentation

6.2.2.1 AvroSerialiser()

```
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >.AvroSerialiser (
            @JsonProperty("domainClass") final Class< O > domainClass )
```

This method builds a domain in order to create serialization in avro format.

Parameters

domainClass	class domain

6.2.3 Member Function Documentation

6.2.3.1 deserialise()

```
Stream< O > uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >.deserialise (
            final InputStream input ) throws IOException
```

This method deserializes the format of the input data.

Parameters

input	the stream of objects to be deserialized

Returns

the output stream

Exceptions

IOException	found problems in the deserialization process

6.2.3.2 getDomainClass()

```
Class< O > uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >.getDomainClass (
)
```

This class return the domain class.

Returns

the domain class

6.2.3.3 serialise()

```
void uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >.serialise (
            final Stream< O > objects,
            final OutputStream output ) throws IOException
```

This method serialize the format of the input data.

Parameters

objects	the stream of objects to be serialised
output	the output stream to write the serialised bytes to

Exceptions

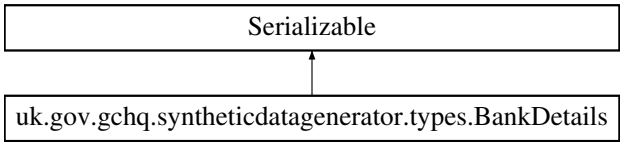
IOException	found problems in the serialization process

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/serialise/AvroSerialiser.java

6.3 uk.gov.gchq.syntheticdatagenerator.types.BankDetails Class Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.BankDetails:



Public Member Functions

- String getSortCode ()

  This method returns a sort code.
- void setSortCode (final String sortCode)

  This method assigns a sort code.
- String getAccountNumber ()

  This method returns an account number.
- void setAccountNumber (final String accountNumber)

  This method assigns an account number.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static BankDetails generate (final Random random)

  This method generates bank details.

6.3.1 Member Function Documentation

6.3.1.1 generate()

```
static BankDetails uk.gov.gchq.syntheticdatagenerator.types.BankDetails.generate (
            final Random random )  [static]
```

This method generates bank details.

Parameters

random	random value

Returns

generated bank details

6.3.1.2 getAccountNumber()

```
String uk.gov.gchq.syntheticdatagenerator.types.BankDetails.getAccountNumber ( )
```

This method returns an account number.

Returns

account number

6.3.1.3 getSortCode()

```
String uk.gov.gchq.syntheticdatagenerator.types.BankDetails.getSortCode ( )
```

This method returns a sort code.

Returns

sort code

6.3.1.4 setAccountNumber()

```
void uk.gov.gchq.syntheticdatagenerator.types.BankDetails.setAccountNumber (
            final String accountNumber )
```

This method assigns an account number.

Parameters

accountNumber	account number

6.3.1.5 setSortCode()

```
void uk.gov.gchq.syntheticdatagenerator.types.BankDetails.setSortCode (
            final String sortCode )
```

This method assigns a sort code.

Parameters

sortCode	sort code

6.3.1.6 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.BankDetails.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/BankDetails.java

6.4 uk.gov.gchq.syntheticdatagenerator.CreateData Class Reference

Static Public Member Functions

- static void main (final String... args)

  This method is able to generate new data based on the number of arguments as input.
- static ThreadFactory createDaemonThreadFactory ()

6.4.1 Member Function Documentation

6.4.1.1 createDaemonThreadFactory()

```
static ThreadFactory uk.gov.gchq.syntheticdatagenerator.CreateData.createDaemonThreadFactory (
) [static]
```

Create a ThreadFactory that creates daemon threads that don't prevent JVM exit.

Returns

a daemon thread factory

6.4.1.2 main()

```
static void uk.gov.gchq.syntheticdatagenerator.CreateData.main (
            final String... args ) [static]
```

This method is able to generate new data based on the number of arguments as input.

Parameters

args	arguments given as input

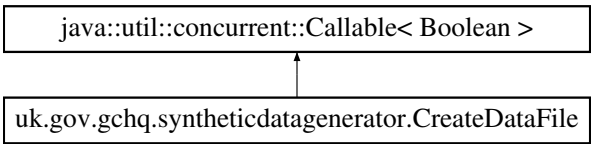
The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/CreateData.java

6.5 uk.gov.gchq.syntheticdatagenerator.CreateDataFile Class Reference

This class creates a data file.

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.CreateDataFile:



Public Member Functions

- CreateDataFile (final long numberOfPeople, final int seed, final File outputFile, final String ocupation)

  This method creates a data file.
- Boolean call ()

  This method creates the output file and random data.
- String getExtensionByGuava (File filename)

  This method obtains the file extension.

6.5.1 Detailed Description

This class creates a data file.

the output can be selected among and "avro" or "csv" file

to create the output file 6 different arguments need to be inserted

6.5.2 Constructor & Destructor Documentation

6.5.2.1 CreateDataFile()

```
uk.gov.gchq.syntheticdatagenerator.CreateDataFile.CreateDataFile (
            final long numberOfPeople,
            final int seed,
            final File outputFile,
            final String ocupation )
```

This method creates a data file.

Parameters

numberOfPeople	number of people that want to be created
seed	seed to create the data file
outputFile	output file
ocupation	type of person that is going to be created: the selection will be among employees or teachers

6.5.3 Member Function Documentation

6.5.3.1 call()

```
Boolean uk.gov.gchq.syntheticdatagenerator.CreateDataFile.call ( )
```

This method creates the output file and random data.

Returns

if the operation was successfully completed or not

6.5.3.2 getExtensionByGuava()

```
String uk.gov.gchq.syntheticdatagenerator.CreateDataFile.getExtensionByGuava (
            File filename )
```

This method obtains the file extension.

Parameters

filename	file name

Returns

file extension

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/CreateDataFile.java

6.6 uk.gov.gchq.syntheticdatagenerator.utils.DateHelper Class Reference

Static Public Member Functions

- static String generateDateOfBirth (final Random random)
- static String generateHireDate (final String dateOfBirthStr, final Random random)

6.6.1 Member Function Documentation

6.6.1.1 generateDateOfBirth()

```
static String uk.gov.gchq.syntheticdatagenerator.utils.DateHelper.generateDateOfBirth (
            final Random random )  [static]
```

6.6.1.2 generateHireDate()

```
static String uk.gov.gchq.syntheticdatagenerator.utils.DateHelper.generateHireDate (
            final String dateOfBirthStr,
            final Random random )  [static]
```

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/utils/DateHelper.java

6.7 uk.gov.gchq.syntheticdatagenerator.types.Department Enum Reference

Static Public Member Functions

- static Department generate (final Random random)

  This method generates a department.

Public Attributes

- EDUCATION
- HEALTH_SCIENCES
- HUMANITIES
- BUSINESS
- TOURISM
- ECONOMICS
- LAW
- POLITICAL_SCIENCES
- SOCIAL_SCIENCES
- COMMUNICATION
- SCIENCES
- HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING
- HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING_AND_TECHNOLOGY
- SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES

6.7.1 Member Function Documentation

6.7.1.1 generate()

```
static Department uk.gov.gchq.syntheticdatagenerator.types.Department.generate (
            final Random random )  [static]
```

This method generates a department.

Parameters

random	random value

Returns

department

6.7.2 Member Data Documentation

6.7.2.1 BUSINESS

`uk.gov.gchq.syntheticdatagenerator.types.Department.BUSINESS`

6.7.2.2 COMMUNICATION

`uk.gov.gchq.syntheticdatagenerator.types.Department.COMMUNICATION`

6.7.2.3 ECONOMICS

`uk.gov.gchq.syntheticdatagenerator.types.Department.ECONOMICS`

6.7.2.4 EDUCATION

`uk.gov.gchq.syntheticdatagenerator.types.Department.EDUCATION`

6.7.2.5 HEALTH_SCIENCES

`uk.gov.gchq.syntheticdatagenerator.types.Department.HEALTH_SCIENCES`

6.7.2.6 HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING

uk.gov.gchq.syntheticdatagenerator.types.Department.HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING

6.7.2.7 HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING_AND_TECHNOLOGY

uk.gov.gchq.syntheticdatagenerator.types.Department.HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING↩
_AND_TECHNOLOGY

6.7.2.8 HUMANITIES

uk.gov.gchq.syntheticdatagenerator.types.Department.HUMANITIES

6.7.2.9 LAW

uk.gov.gchq.syntheticdatagenerator.types.Department.LAW

6.7.2.10 POLITICAL_SCIENCES

uk.gov.gchq.syntheticdatagenerator.types.Department.POLITICAL_SCIENCES

6.7.2.11 SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES

uk.gov.gchq.syntheticdatagenerator.types.Department.SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES

6.7.2.12 SCIENCES

uk.gov.gchq.syntheticdatagenerator.types.Department.SCIENCES

6.7.2.13 SOCIAL_SCIENCES

`uk.gov.gchq.syntheticdatagenerator.types.Department.SOCIAL_SCIENCES`

6.7.2.14 TOURISM

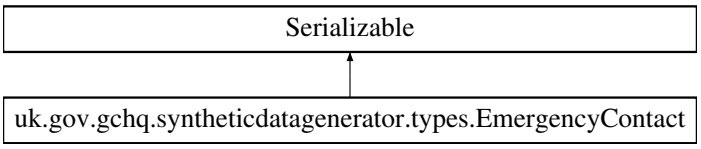
`uk.gov.gchq.syntheticdatagenerator.types.Department.TOURISM`

The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Department.java

6.8 uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact Class Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact:



Public Member Functions

- String getContactName ()
  This method returns the contact name.
- void setContactName (final String contactName)
  This method assigns the contact name.
- Relation getRelation ()
  This method returns the relation.
- void setRelation (final Relation relation)
  This method assigns the relation.
- PhoneNumber[ ] getContactNumbers ()
  This method returns the list of contact numbers.
- void setContactNumbers (final PhoneNumber[ ] contactNumbers)
  This method assigns the list of contact numbers.
- String toString ()
  Change attributes to a string format.

Static Public Member Functions

- static EmergencyContact generate (final Faker faker, final Random random)
  This method generates emergency contacts.
- static EmergencyContact[ ] generateMany (final Faker faker, final Random random)
  This method generates a list of emergency contacts.

6.8.1 Member Function Documentation

6.8.1.1 generate()

```
static EmergencyContact uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.generate (
            final Faker faker,
            final Random random )  [static]
```

This method generates emergency contacts.

Parameters

faker	fake data values
random	random value

Returns

generated emergency contact

6.8.1.2 generateMany()

```
static EmergencyContact[] uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.generate↩
Many (
            final Faker faker,
            final Random random )  [static]
```

This method generates a list of emergency contacts.

Parameters

faker	fake data values
random	random value

Returns

generated list of emergency contacts

6.8.1.3 getContactName()

```
String uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.getContactName ( )
```

This method returns the contact name.

Returns

contact name

6.8.1.4 getContactNumbers()

```
PhoneNumber[] uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.getContactNumbers ( )
```

This method returns the list of contact numbers.

Returns

list of contact numbers

6.8.1.5 getRelation()

```
Relation uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.getRelation ( )
```

This method returns the relation.

Returns

relation

6.8.1.6 setContactName()

```
void uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.setContactName (
            final String contactName )
```

This method assigns the contact name.

Parameters

contactName	contact name

6.8.1.7 setContactNumbers()

```
void uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.setContactNumbers (
            final PhoneNumber[] contactNumbers )
```

This method assigns the list of contact numbers.

Parameters

contactNumbers	list of contact numbers

6.8.1.8 setRelation()

```
void uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.setRelation (
            final Relation relation )
```

This method assigns the relation.

Parameters

relation	relation

6.8.1.9 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

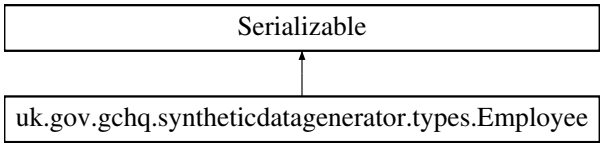
The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/EmergencyContact.java

6.9 uk.gov.gchq.syntheticdatagenerator.types.Employee Class Reference

This class generates random values for the entity Employee.

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.Employee:



Public Member Functions

- String getUid ()

  This method returns the identifier of an employee.
- void setUid (final String uid)

  This method assigns the identifier of an employee.
- String getName ()

  This method returns the name of an employee.
- void setName (final String name)

  This method assigns a name to an employee.
- String getDateOfBirth ()

  This method returns the date of birth of an employee.
- void setDateOfBirth (final String dateOfBirth)

  This method assigns a date of birth to an employee.
- PhoneNumber[ ] getContactNumbers ()

  This method returns list of contact numbers of an employee.
- void setContactNumbers (final PhoneNumber[ ] contactNumbers)

  This method assigns a list of contact number to an employee.
- EmergencyContact[ ] getEmergencyContacts ()

  This method returns the list of emergency contacts of an employee.
- void setEmergencyContacts (final EmergencyContact[ ] emergencyContacts)

  This method assigns a list of emergency contacts to an employee.
- Address getAddress ()

  This method returns the address of an employee.
- void setAddress (final Address address)

  This method assigns an address to an employee.
- BankDetails getBankDetails ()

  This method return the bank details of an employee.
- void setBankDetails (final BankDetails bankDetails)

  This method assigns the bank details to an employee.
- String getTaxCode ()

  This method returns the tax code to an employee.
- void setTaxCode (final String taxCode)

  This method assigns the tax code to an employee.
- Nationality getNationality ()

  This method returns the nationality of an employee.
- void setNationality (final Nationality nationality)

  This method assigns a nationality to an employee.
- Manager[ ] getManager ()

  This method returns the list of managers of an employee.
- void setManager (final Manager[ ] manager)

  This method assigns a list of managers to an employee.
- String getHireDate ()

  This method returns the hire date of an employee.
- void setHireDate (final String hireDate)

  This method assigns a hire date to an employee.
- Grade getGrade ()

  This method returns the grade of an employee.
- void setGrade (final Grade grade)

  This method assigns a grade to an employee.
- Department getDepartment ()

This method returns the department of an employee.

- void setDepartment (final Department department)

  This method assigns a department to an employee.
- int getSalaryAmount ()

  This method returns the salary amount of an employee.
- void setSalaryAmount (final int salaryAmount)

  This method assigns a salary amount to an employee.
- int getSalaryBonus ()

  This method returns the salary bonus of an employee.
- void setSalaryBonus (final int salaryBonus)

  This method assigns a salary bonus to an employee.
- WorkLocation getWorkLocation ()

  This method returns the work location of an employee.
- void setWorkLocation (final WorkLocation workLocation)

  This method assigns a work location to an employee.
- Sex getSex ()

  This method returns the sex of an employee.
- void setSex (final Sex sex)

  This method assigns a sex to an employee.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static Employee generate (final Random random)
- static String generateUID (final Random random)

  This method generates an identifier.

6.9.1 Detailed Description

This class generates random values for the entity Employee.

6.9.2 Member Function Documentation

6.9.2.1 generate()

```
static Employee uk.gov.gchq.syntheticdatagenerator.types.Employee.generate (
            final Random random )  [static]
```

6.9.2.2 generateUID()

```
static String uk.gov.gchq.syntheticdatagenerator.types.Employee.generateUID (
            final Random random )  [static]
```

This method generates an identifier.

Parameters

random	random value

Returns

generated identifier

6.9.2.3 getAddress()

```
Address uk.gov.gchq.syntheticdatagenerator.types.Employee.getAddress ( )
```

This method returns the address of an employee.

Returns

address

6.9.2.4 getBankDetails()

```
BankDetails uk.gov.gchq.syntheticdatagenerator.types.Employee.getBankDetails ( )
```

This method return the bank details of an employee.

Returns

bank details

6.9.2.5 getContactNumbers()

```
PhoneNumber[] uk.gov.gchq.syntheticdatagenerator.types.Employee.getContactNumbers ( )
```

This method returns list of contact numbers of an employee.

Returns

list of contact numbers

6.9.2.6 getDateOfBirth()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.getDateOfBirth ( )
```

This method returns the date of birth of an employee.

Returns

date of birth

6.9.2.7 getDepartment()

```
Department uk.gov.gchq.syntheticdatagenerator.types.Employee.getDepartment ( )
```

This method returns the department of an employee.

Returns

department

6.9.2.8 getEmergencyContacts()

```
EmergencyContact[] uk.gov.gchq.syntheticdatagenerator.types.Employee.getEmergencyContacts ( )
```

This method returns the list of emergency contacts of an employee.

Returns

list of emergency contacts

6.9.2.9 getGrade()

```
Grade uk.gov.gchq.syntheticdatagenerator.types.Employee.getGrade ( )
```

This method returns the grade of an employee.

Returns

grade

6.9.2.10 getHireDate()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.getHireDate ( )
```

This method returns the hire date of an employee.

Returns

hire date

6.9.2.11 getManager()

```
Manager[] uk.gov.gchq.syntheticdatagenerator.types.Employee.getManager ( )
```

This method returns the list of managers of an employee.

Returns

list of managers

6.9.2.12 getName()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.getName ( )
```

This method returns the name of an employee.

Returns

name

6.9.2.13 getNationality()

```
Nationality uk.gov.gchq.syntheticdatagenerator.types.Employee.getNationality ( )
```

This method returns the nationality of an employee.

Returns

nationality

6.9.2.14 getSalaryAmount()

```
int uk.gov.gchq.syntheticdatagenerator.types.Employee.getSalaryAmount ( )
```

This method returns the salary amount of an employee.

Returns

salary amount

6.9.2.15 getSalaryBonus()

```
int uk.gov.gchq.syntheticdatagenerator.types.Employee.getSalaryBonus ( )
```

This method returns the salary bonus of an employee.

Returns

salary bonus

6.9.2.16 getSex()

```
Sex uk.gov.gchq.syntheticdatagenerator.types.Employee.getSex ( )
```

This method returns the sex of an employee.

Returns

sex

6.9.2.17 getTaxCode()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.getTaxCode ( )
```

This method returns the tax code to an employee.

Returns

tax code

6.9.2.18 getUid()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.getUid ( )
```

This method returns the identifier of an employee.

Returns

identifier

6.9.2.19 getWorkLocation()

```
WorkLocation uk.gov.gchq.syntheticdatagenerator.types.Employee.getWorkLocation ( )
```

This method returns the work location of an employee.

Returns

work location

6.9.2.20 setAddress()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setAddress (
            final Address address )
```

This method assigns an address to an employee.

Parameters

address	address

6.9.2.21 setBankDetails()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setBankDetails (
            final BankDetails bankDetails )
```

This method assigns the bank details to an employee.

Parameters

bankDetails	bank details

6.9.2.22 setContactNumbers()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setContactNumbers (
            final PhoneNumber[] contactNumbers )
```

This method assigns a list of contact number to an employee.

Parameters

contactNumbers	list of contact numbers

6.9.2.23 setDateOfBirth()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setDateOfBirth (
            final String dateOfBirth )
```

This method assigns a date of birth to an employee.

Parameters

dateOfBirth	date of birth

6.9.2.24 setDepartment()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setDepartment (
            final Department department )
```

This method assigns a department to an employee.

Parameters

department	department

6.9.2.25 setEmergencyContacts()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setEmergencyContacts (
            final EmergencyContact[] emergencyContacts )
```

This method assigns a list of emergency contacts to an employee.

Parameters

emergencyContacts	list of emergency contacts

6.9.2.26 setGrade()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setGrade (
            final Grade grade )
```

This method assigns a grade to an employee.

Parameters

grade	grade

6.9.2.27 setHireDate()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setHireDate (
            final String hireDate )
```

This method assigns a hire date to an employee.

Parameters

hireDate	hire date

6.9.2.28 setManager()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setManager (
            final Manager[] manager )
```

This method assigns a list of managers to an employee.

Parameters

manager	list of managers

6.9.2.29 setName()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setName (
            final String name )
```

This method assigns a name to an employee.

Parameters

name	

6.9.2.30 setNationality()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setNationality (
            final Nationality nationality )
```

This method assigns a nationality to an employee.

Parameters

nationality	nationality

6.9.2.31 setSalaryAmount()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setSalaryAmount (
            final int salaryAmount )
```

This method assigns a salary amount to an employee.

Parameters

salaryAmount	salary amount

6.9.2.32 setSalaryBonus()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setSalaryBonus (
            final int salaryBonus )
```

This method assigns a salary bonus to an employee.

Parameters

salaryBonus	salary bonus

6.9.2.33 setSex()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setSex (
            final Sex sex )
```

This method assigns a sex to an employee.

Parameters

sex	sex

6.9.2.34 setTaxCode()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setTaxCode (
            final String taxCode )
```

This method assigns the tax code to an employee.

Parameters

taxCode	tax code

6.9.2.35 setUid()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setUid (
            final String uid )
```

This method assigns the identifier of an employee.

Parameters

uid	identifier

6.9.2.36 setWorkLocation()

```
void uk.gov.gchq.syntheticdatagenerator.types.Employee.setWorkLocation (
            final WorkLocation workLocation )
```

This method assigns a work location to an employee.

Parameters

workLocation	work location

6.9.2.37 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.Employee.toString ( )
```

Change attributes to a string format.

Returns

attributes in string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Employee.java

6.10 uk.gov.gchq.syntheticdatagenerator.types.Grade Enum Reference

Static Public Member Functions

- static Grade generate (final Random random)
  This method generates a grade.

Public Attributes

- GRADE_1
- GRADE_2
- GRADE_3
- GRADE_4
- GRADE_5
- GRADE_6
- GRADE_7
- GRADE_8

6.10.1 Member Function Documentation

6.10.1.1 generate()

```
static Grade uk.gov.gchq.syntheticdatagenerator.types.Grade.generate (
            final Random random )  [static]
```

This method generates a grade.

Parameters

random	random value

Returns

grade

6.10.2 Member Data Documentation

6.10.2.1 GRADE_1

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_1`

6.10.2.2 GRADE_2

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_2`

6.10.2.3 GRADE_3

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_3`

6.10.2.4 GRADE_4

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_4`

6.10.2.5 GRADE_5

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_5`

6.10.2.6 GRADE_6

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_6`

6.10.2.7 GRADE_7

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_7`

6.10.2.8 GRADE_8

`uk.gov.gchq.syntheticdatagenerator.types.Grade.GRADE_8`

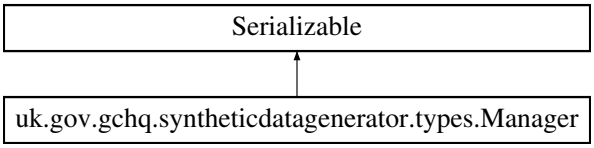
The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Grade.java

6.11 uk.gov.gchq.syntheticdatagenerator.types.Manager Class Reference

This class creates random values for a manager.

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.Manager:



Public Member Functions

- String getUid ()
  This method returns the identifier.
- void setUid (final String uid)
  This method assigns an identifiers.
- String getManagerType ()
  This method returns the manager type.
- void setManagerType (final String managerType)
  This method assigns a manager type.
- Manager[ ] getManager ()
  This method returns the list of managers.
- void setManager (final Manager[ ] managers)
  This method assigns a list of managers.
- String toString ()
  Change attributes to a string format.

Static Public Member Functions

- static Manager[ ] generateMany (final Random random, final int chain)

  This method allows to create a number of different levels of managers.
- static Manager generateRecursive (final Random random, final int chain, final String managerType)

  This method evaluates the different levels of managers defined.
- static Manager generate (final Random random, final String managerType)

  This method generates a new manager.

6.11.1 Detailed Description

This class creates random values for a manager.

When creating a Manager entity it is possible to create up to 3 levels of managers

6.11.2 Member Function Documentation

6.11.2.1 generate()

```
static Manager uk.gov.gchq.syntheticdatagenerator.types.Manager.generate (
            final Random random,
            final String managerType )  [static]
```

This method generates a new manager.

Parameters

random	random value
managerType	type of manager

Returns

generated manager

6.11.2.2 generateMany()

```
static Manager[] uk.gov.gchq.syntheticdatagenerator.types.Manager.generateMany (
            final Random random,
            final int chain )  [static]
```

This method allows to create a number of different levels of managers.

Parameters

random	random value
chain	level depth of managers

Returns

different managers levels

6.11.2.3 generateRecursive()

```
static Manager uk.gov.gchq.syntheticdatagenerator.types.Manager.generateRecursive (
            final Random random,
            final int chain,
            final String managerType )  [static]
```

This method evaluates the different levels of managers defined.

Parameters

random	random value
chain	level depth of managers
managerType	type of manager

Returns

generated managers

6.11.2.4 getManager()

```
Manager[] uk.gov.gchq.syntheticdatagenerator.types.Manager.getManager ( )
```

This method returns the list of managers.

Returns

list of managers

6.11.2.5 getManagerType()

```
String uk.gov.gchq.syntheticdatagenerator.types.Manager.getManagerType ( )
```

This method returns the manager type.

Returns

manager type

6.11.2.6 getUid()

```
String uk.gov.gchq.syntheticdatagenerator.types.Manager.getUid ( )
```

This method returns the identifier.

Returns

identifier

6.11.2.7 setManager()

```
void uk.gov.gchq.syntheticdatagenerator.types.Manager.setManager (
            final Manager[] managers )
```

This method assigns a list of managers.

Parameters

managers	list of managers

6.11.2.8 setManagerType()

```
void uk.gov.gchq.syntheticdatagenerator.types.Manager.setManagerType (
            final String managerType )
```

This method assigns a manager type.

Parameters

managerType	manager type

6.11.2.9 setUid()

```
void uk.gov.gchq.syntheticdatagenerator.types.Manager.setUid (
            final String uid )
```

This method assigns an identifiers.

Parameters

uid	identifier

6.11.2.10 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.Manager.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Manager.java

6.12 uk.gov.gchq.syntheticdatagenerator.types.Nationality Enum Reference

Static Public Member Functions

- static Nationality generate (final Random random)

  This method generates a nationality.

Public Attributes

- AFGHAN
- ALBANIAN
- ALGERIAN
- AMERICAN
- ANDORRAN
- ANGOLAN
- ANGUILLAN
- CITIZEN_OF_ANTIGUA_AND_BARBUDA
- ARGENTINE
- ARMENIAN
- AUSTRALIAN
- AUSTRIAN
- AZERBAIJANI
- BAHAMIAN
- BAHRAINI
- BANGLADESHI
- BARBADIAN
- BELARUSIAN
- BELGIAN
- BELIZEAN
- BENINESE
- BERMUDIAN
- BHUTANESE
- BOLIVIAN
- CITIZEN_OF_BOSNIA_AND_HERZEGOVINA
- BOTSWANAN
- BRAZILIAN
- BRITISH
- BRITISH_VIRGIN_ISLANDER
- BRUNEIAN
- BULGARIAN
- BURKINAN
- BURMESE
- BURUNDIAN
- CAMBODIAN
- CAMEROONIAN
- CANADIAN
- CAPE_VERDEAN
- CAYMAN_ISLANDER
- CENTRAL_AFRICAN
- CHADIAN
- CHILEAN
- CHINESE
- COLOMBIAN
- COMORAN
- CONGOLESE
- COOK_ISLANDER
- COSTA_RICAN
- CROATIAN
- CUBAN
- CYMRAES
- CYMRO
- CYPRIOT

- CZECH
- DANISH
- DJIBOUTIAN
- DOMINICAN
- CITIZEN_OF_THE_DOMINICAN_REPUBLIC
- DUTCH
- EAST_TIMORESE
- ECUADOREAN
- EGYPTIAN
- EMIRATI
- ENGLISH
- EQUATORIAL_GUINEAN
- ERITREAN
- ESTONIAN
- ETHIOPIAN
- FAROESE
- FIJIAN
- FILIPINO
- FINNISH
- FRENCH
- GABONESE
- GAMBIAN
- GEORGIAN
- GERMAN
- GHANAIAN
- GIBRALTARIAN
- GREEK
- GREENLANDIC
- GRENADIAN
- GUAMANIAN
- GUATEMALAN
- CITIZEN_OF_GUINEA_BISSAU
- GUINEAN
- GUYANESE
- HAITIAN
- HONDURAN
- HONG_KONGER
- HUNGARIAN
- ICELANDIC
- INDIAN
- INDONESIAN
- IRANIAN
- IRAQI
- IRISH
- ISRAELI
- ITALIAN
- IVORIAN
- JAMAICAN
- JAPANESE
- JORDANIAN
- KAZAKH
- KENYAN
- KITTITIAN
- CITIZEN_OF_KIRIBATI
- KOSOVAN

- KUWAITI
- KYRGYZ
- LAO
- LATVIAN
- LEBANESE
- LIBERIAN
- LIBYAN
- LIECHTENSTEIN_CITIZEN
- LITHUANIAN
- LUXEMBOURGER
- MACANESE
- MACEDONIAN
- MALAGASY
- MALAWIAN
- MALAYSIAN
- MALDIVIAN
- MALIAN
- MALTESE
- MARSHALLESE
- MARTINIQUAIS
- MAURITANIAN
- MAURITIAN
- MEXICAN
- MICRONESIAN
- MOLDOVAN
- MONEGASQUE
- MONGOLIAN
- MONTENEGRIN
- MONTSERRATIAN
- MOROCCAN
- MOSOTHO
- MOZAMBICAN
- NAMIBIAN
- NAURUAN
- NEPALESE
- NEW_ZEALANDER
- NICARAGUAN
- NIGERIAN
- NIGERIEN
- NIUEAN
- NORTH_KOREAN
- NORTHERN_IRISH
- NORWEGIAN
- OMANI
- PAKISTANI
- PALAUAN
- PALESTINIAN
- PANAMANIAN
- PAPUA_NEW_GUINEAN
- PARAGUAYAN
- PERUVIAN
- PITCAIRN_ISLANDER
- POLISH
- PORTUGUESE
- PRYDEINIG

- PUERTO_RICAN
- QATARI
- ROMANIAN
- RUSSIAN
- RWANDAN
- SALVADOREAN
- SAMMARINESE
- SAMOAN
- SAO_TOMEAN
- SAUDI_ARABIAN
- SCOTTISH
- SENEGALESE
- SERBIAN
- CITIZEN_OF_SEYCHELLES
- SIERRA_LEONEAN
- SINGAPOREAN
- SLOVAK
- SLOVENIAN
- SOLOMON_ISLANDER
- SOMALI
- SOUTH_AFRICAN
- SOUTH_KOREAN
- SOUTH_SUDANESE
- SPANISH
- SRI_LANKAN
- ST_HELENIAN
- ST_LUCIAN
- STATELESS
- SUDANESE
- SURINAMESE
- SWAZI
- SWEDISH
- SWISS
- SYRIAN
- TAIWANESE
- TAJIK
- TANZANIAN
- THAI
- TOGOLESE
- TONGAN
- TRINIDADIAN
- TRISTANIAN
- TUNISIAN
- TURKISH
- TURKMEN
- TURKS_AND_CAICOS_ISLANDER
- TUVALUAN
- UGANDAN
- UKRAINIAN
- URUGUAYAN
- UZBEK
- VATICAN_CITIZEN
- CITIZEN_OF_VANUATU
- VENEZUELAN
- VIETNAMESE

- VINCENTIAN
- WALLISIAN
- WELSH
- YEMENI
- ZAMBIAN
- ZIMBABWEAN

6.12.1 Member Function Documentation

6.12.1.1 generate()

```
static Nationality uk.gov.gchq.syntheticdatagenerator.types.Nationality.generate (
            final Random random )  [static]
```

This method generates a nationality.

Parameters

random	random value

Returns

nationality

6.12.2 Member Data Documentation

6.12.2.1 AFGHAN

```
uk.gov.gchq.syntheticdatagenerator.types.Nationality.AFGHAN
```

6.12.2.2 ALBANIAN

```
uk.gov.gchq.syntheticdatagenerator.types.Nationality.ALBANIAN
```

6.12.2.3 ALGERIAN

```
uk.gov.gchq.syntheticdatagenerator.types.Nationality.ALGERIAN
```

6.12.2.4 AMERICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.AMERICAN

6.12.2.5 ANDORRAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ANDORRAN

6.12.2.6 ANGOLAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ANGOLAN

6.12.2.7 ANGUILLAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ANGUILLAN

6.12.2.8 ARGENTINE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ARGENTINE

6.12.2.9 ARMENIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ARMENIAN

6.12.2.10 AUSTRALIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.AUSTRALIAN

6.12.2.11 AUSTRIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.AUSTRIAN

6.12.2.12 AZERBAIJANI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.AZERBAIJANI

6.12.2.13 BAHAMIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BAHAMIAN

6.12.2.14 BAHRAINI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BAHRAINI

6.12.2.15 BANGLADESHI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BANGLADESHI

6.12.2.16 BARBADIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BARBADIAN

6.12.2.17 BELARUSIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BELARUSIAN

6.12.2.18 BELGIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BELGIAN

6.12.2.19 BELIZEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BELIZEAN

6.12.2.20 BENINESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BENINESE

6.12.2.21 BERMUDIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BERMUDIAN

6.12.2.22 BHUTANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BHUTANESE

6.12.2.23 BOLIVIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BOLIVIAN

6.12.2.24 BOTSWANAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BOTSWANAN

6.12.2.25 BRAZILIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BRAZILIAN

6.12.2.26 BRITISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BRITISH

6.12.2.27 BRITISH_VIRGIN_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BRITISH_VIRGIN_ISLANDER

6.12.2.28 BRUNEIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BRUNEIAN

6.12.2.29 BULGARIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BULGARIAN

6.12.2.30 BURKINAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BURKINAN

6.12.2.31 BURMESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BURMESE

6.12.2.32 BURUNDIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.BURUNDIAN

6.12.2.33 CAMBODIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CAMBODIAN

6.12.2.34 CAMEROONIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CAMEROONIAN

6.12.2.35 CANADIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CANADIAN

6.12.2.36 CAPE_VERDEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CAPE_VERDEAN

6.12.2.37 CAYMAN_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CAYMAN_ISLANDER

6.12.2.38 CENTRAL_AFRICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CENTRAL_AFRICAN

6.12.2.39 CHADIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CHADIAN

6.12.2.40 CHILEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CHILEAN

6.12.2.41 CHINESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CHINESE

6.12.2.42 CITIZEN_OF_ANTIGUA_AND_BARBUDA

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_ANTIGUA_AND_BARBUDA

6.12.2.43 CITIZEN_OF_BOSNIA_AND_HERZEGOVINA

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_BOSNIA_AND_HERZEGOVINA

6.12.2.44 CITIZEN_OF_GUINEA_BISSAU

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_GUINEA_BISSAU

6.12.2.45 CITIZEN_OF_KIRIBATI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_KIRIBATI

6.12.2.46 CITIZEN_OF_SEYCHELLES

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_SEYCHELLES

6.12.2.47 CITIZEN_OF_THE_DOMINICAN_REPUBLIC

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_THE_DOMINICAN_REPUBLIC

6.12.2.48 CITIZEN_OF_VANUATU

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CITIZEN_OF_VANUATU

6.12.2.49 COLOMBIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.COLOMBIAN

6.12.2.50 COMORAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.COMORAN

6.12.2.51 CONGOLESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CONGOLESE

6.12.2.52 COOK_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.COOK_ISLANDER

6.12.2.53 COSTA_RICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.COSTA_RICAN

6.12.2.54 CROATIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CROATIAN

6.12.2.55 CUBAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CUBAN

6.12.2.56 CYMRAES

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CYMRAES

6.12.2.57 CYMRO

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CYMRO

6.12.2.58 CYPRIOT

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CYPRIOT

6.12.2.59 CZECH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.CZECH

6.12.2.60 DANISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.DANISH

6.12.2.61 DJIBOUTIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.DJIBOUTIAN

6.12.2.62 DOMINICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.DOMINICAN

6.12.2.63 DUTCH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.DUTCH

6.12.2.64 EAST_TIMORESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.EAST_TIMORESE

6.12.2.65 ECUADOREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ECUADOREAN

6.12.2.66 EGYPTIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.EGYPTIAN

6.12.2.67 EMIRATI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.EMIRATI

6.12.2.68 ENGLISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ENGLISH

6.12.2.69 EQUATORIAL_GUINEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.EQUATORIAL_GUINEAN

6.12.2.70 ERITREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ERITREAN

6.12.2.71 ESTONIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ESTONIAN

6.12.2.72 ETHIOPIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ETHIOPIAN

6.12.2.73 FAROESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.FAROESE

6.12.2.74 FIJIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.FIJIAN

6.12.2.75 FILIPINO

uk.gov.gchq.syntheticdatagenerator.types.Nationality.FILIPINO

6.12.2.76 FINNISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.FINNISH

6.12.2.77 FRENCH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.FRENCH

6.12.2.78 GABONESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GABONESE

6.12.2.79 GAMBIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GAMBIAN

6.12.2.80 GEORGIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GEORGIAN

6.12.2.81 GERMAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GERMAN

6.12.2.82 GHANAIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GHANAIAN

6.12.2.83 GIBRALTARIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GIBRALTARIAN

6.12.2.84 GREEK

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GREEK

6.12.2.85 GREENLANDIC

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GREENLANDIC

6.12.2.86 GRENADIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GRENADIAN

6.12.2.87 GUAMANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GUAMANIAN

6.12.2.88 GUATEMALAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GUATEMALAN

6.12.2.89 GUINEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GUINEAN

6.12.2.90 GUYANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.GUYANESE

6.12.2.91 HAITIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.HAITIAN

6.12.2.92 HONDURAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.HONDURAN

6.12.2.93 HONG_KONGER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.HONG_KONGER

6.12.2.94 HUNGARIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.HUNGARIAN

6.12.2.95 ICELANDIC

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ICELANDIC

6.12.2.96 INDIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.INDIAN

6.12.2.97 INDONESIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.INDONESIAN

6.12.2.98 IRANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.IRANIAN

6.12.2.99 IRAQI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.IRAQI

6.12.2.100 IRISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.IRISH

6.12.2.101 ISRAELI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ISRAELI

6.12.2.102 ITALIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ITALIAN

6.12.2.103 IVORIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.IVORIAN

6.12.2.104 JAMAICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.JAMAICAN

6.12.2.105 JAPANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.JAPANESE

6.12.2.106 JORDANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.JORDANIAN

6.12.2.107 KAZAKH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KAZAKH

6.12.2.108 KENYAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KENYAN

6.12.2.109 KITTITIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KITTITIAN

6.12.2.110 KOSOVAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KOSOVAN

6.12.2.111 KUWAITI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KUWAITI

6.12.2.112 KYRGYZ

uk.gov.gchq.syntheticdatagenerator.types.Nationality.KYRGYZ

6.12.2.113 LAO

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LAO

6.12.2.114 LATVIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LATVIAN

6.12.2.115 LEBANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LEBANESE

6.12.2.116 LIBERIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LIBERIAN

6.12.2.117 LIBYAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LIBYAN

6.12.2.118 LIECHTENSTEIN_CITIZEN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LIECHTENSTEIN_CITIZEN

6.12.2.119 LITHUANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LITHUANIAN

6.12.2.120 LUXEMBOURGER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.LUXEMBOURGER

6.12.2.121 MACANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MACANESE

6.12.2.122 MACEDONIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MACEDONIAN

6.12.2.123 MALAGASY

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALAGASY

6.12.2.124 MALAWIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALAWIAN

6.12.2.125 MALAYSIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALAYSIAN

6.12.2.126 MALDIVIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALDIVIAN

6.12.2.127 MALIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALIAN

6.12.2.128 MALTESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MALTESE

6.12.2.129 MARSHALLESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MARSHALLESE

6.12.2.130 MARTINIQUAIS

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MARTINIQUAIS

6.12.2.131 MAURITANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MAURITANIAN

6.12.2.132 MAURITIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MAURITIAN

6.12.2.133 MEXICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MEXICAN

6.12.2.134 MICRONESIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MICRONESIAN

6.12.2.135 MOLDOVAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MOLDOVAN

6.12.2.136 MONEGASQUE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MONEGASQUE

6.12.2.137 MONGOLIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MONGOLIAN

6.12.2.138 MONTENEGRIN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MONTENEGRIN

6.12.2.139 MONTSERRATIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MONTSERRATIAN

6.12.2.140 MOROCCAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MOROCCAN

6.12.2.141 MOSOTHO

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MOSOTHO

6.12.2.142 MOZAMBICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.MOZAMBICAN

6.12.2.143 NAMIBIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NAMIBIAN

6.12.2.144 NAURUAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NAURUAN

6.12.2.145 NEPALESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NEPALESE

6.12.2.146 NEW_ZEALANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NEW_ZEALANDER

6.12.2.147 NICARAGUAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NICARAGUAN

6.12.2.148 NIGERIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NIGERIAN

6.12.2.149 NIGERIEN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NIGERIEN

6.12.2.150 NIUEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NIUEAN

6.12.2.151 NORTH_KOREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NORTH_KOREAN

6.12.2.152 NORTHERN_IRISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NORTHERN_IRISH

6.12.2.153 NORWEGIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.NORWEGIAN

6.12.2.154 OMANI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.OMANI

6.12.2.155 PAKISTANI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PAKISTANI

6.12.2.156 PALAUAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PALAUAN

6.12.2.157 PALESTINIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PALESTINIAN

6.12.2.158 PANAMANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PANAMANIAN

6.12.2.159 PAPUA_NEW_GUINEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PAPUA_NEW_GUINEAN

6.12.2.160 PARAGUAYAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PARAGUAYAN

6.12.2.161 PERUVIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PERUVIAN

6.12.2.162 PITCAIRN_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PITCAIRN_ISLANDER

6.12.2.163 POLISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.POLISH

6.12.2.164 PORTUGUESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PORTUGUESE

6.12.2.165 PRYDEINIG

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PRYDEINIG

6.12.2.166 PUERTO_RICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.PUERTO_RICAN

6.12.2.167 QATARI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.QATARI

6.12.2.168 ROMANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ROMANIAN

6.12.2.169 RUSSIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.RUSSIAN

6.12.2.170 RWANDAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.RWANDAN

6.12.2.171 SALVADOREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SALVADOREAN

6.12.2.172 SAMMARINESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SAMMARINESE

6.12.2.173 SAMOAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SAMOAN

6.12.2.174 SAO_TOMEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SAO_TOMEAN

6.12.2.175 SAUDI_ARABIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SAUDI_ARABIAN

6.12.2.176 SCOTTISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SCOTTISH

6.12.2.177 SENEGALESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SENEGALESE

6.12.2.178 SERBIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SERBIAN

6.12.2.179 SIERRA_LEONEAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SIERRA_LEONEAN

6.12.2.180 SINGAPOREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SINGAPOREAN

6.12.2.181 SLOVAK

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SLOVAK

6.12.2.182 SLOVENIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SLOVENIAN

6.12.2.183 SOLOMON_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SOLOMON_ISLANDER

6.12.2.184 SOMALI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SOMALI

6.12.2.185 SOUTH_AFRICAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SOUTH_AFRICAN

6.12.2.186 SOUTH_KOREAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SOUTH_KOREAN

6.12.2.187 SOUTH_SUDANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SOUTH_SUDANESE

6.12.2.188 SPANISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SPANISH

6.12.2.189 SRI_LANKAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SRI_LANKAN

6.12.2.190 ST_HELENIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ST_HELENIAN

6.12.2.191 ST_LUCIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ST_LUCIAN

6.12.2.192 STATELESS

uk.gov.gchq.syntheticdatagenerator.types.Nationality.STATELESS

6.12.2.193 SUDANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SUDANESE

6.12.2.194 SURINAMESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SURINAMESE

6.12.2.195 SWAZI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SWAZI

6.12.2.196 SWEDISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SWEDISH

6.12.2.197 SWISS

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SWISS

6.12.2.198 SYRIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.SYRIAN

6.12.2.199 TAIWANESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TAIWANESE

6.12.2.200 TAJIK

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TAJIK

6.12.2.201 TANZANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TANZANIAN

6.12.2.202 THAI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.THAI

6.12.2.203 TOGOLESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TOGOLESE

6.12.2.204 TONGAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TONGAN

6.12.2.205 TRINIDADIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TRINIDADIAN

6.12.2.206 TRISTANIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TRISTANIAN

6.12.2.207 TUNISIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TUNISIAN

6.12.2.208 TURKISH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TURKISH

6.12.2.209 TURKMEN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TURKMEN

6.12.2.210 TURKS_AND_CAICOS_ISLANDER

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TURKS_AND_CAICOS_ISLANDER

6.12.2.211 TUVALUAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.TUVALUAN

6.12.2.212 UGANDAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.UGANDAN

6.12.2.213 UKRAINIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.UKRAINIAN

6.12.2.214 URUGUAYAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.URUGUAYAN

6.12.2.215 UZBEK

uk.gov.gchq.syntheticdatagenerator.types.Nationality.UZBEK

6.12.2.216 VATICAN_CITIZEN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.VATICAN_CITIZEN

6.12.2.217 VENEZUELAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.VENEZUELAN

6.12.2.218 VIETNAMESE

uk.gov.gchq.syntheticdatagenerator.types.Nationality.VIETNAMESE

6.12.2.219 VINCENTIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.VINCENTIAN

6.12.2.220 WALLISIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.WALLISIAN

6.12.2.221 WELSH

uk.gov.gchq.syntheticdatagenerator.types.Nationality.WELSH

6.12.2.222 YEMENI

uk.gov.gchq.syntheticdatagenerator.types.Nationality.YEMENI

6.12.2.223 ZAMBIAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality.ZAMBIAN

6.12.2.224 ZIMBABWEAN

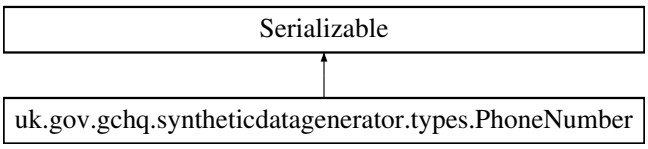
uk.gov.gchq.syntheticdatagenerator.types.Nationality.ZIMBABWEAN

The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Nationality.java

6.13 uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber Class Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber:



Public Member Functions

- String getType ()

  This method returns the phone number type.
- void setType (final String type)

  This method assigns a phone number type.
- String getPhoneNumber ()

  This method returns the phone number.
- void setPhoneNumber (final String phoneNumber)

  This method assigns a phone number.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static PhoneNumber[ ] generateMany (final Random random)

  This method generates a list of valid phone numbers.
- static PhoneNumber generate (final Random random)

  This method generates a phone number.

6.13.1 Member Function Documentation

6.13.1.1 generate()

```
static PhoneNumber uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.generate (
            final Random random )  [static]
```

This method generates a phone number.

Parameters

random	random value

Returns

phone number

6.13.1.2 generateMany()

```
static PhoneNumber[] uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.generateMany (
            final Random random )  [static]
```

This method generates a list of valid phone numbers.

Parameters

random	random value

Returns

generated phone number

6.13.1.3 getPhoneNumber()

```
String uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.getPhoneNumber ( )
```

This method returns the phone number.

Returns

phone number

6.13.1.4 getType()

```
String uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.getType ( )
```

This method returns the phone number type.

Returns

phone number type

6.13.1.5 setPhoneNumber()

```
void uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.setPhoneNumber (
            final String phoneNumber )
```

This method assigns a phone number.

Parameters

phoneNumber	phone number

6.13.1.6 setType()

```
void uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.setType (
            final String type )
```

This method assigns a phone number type.

Parameters

type	phone number type

6.13.1.7 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/PhoneNumber.java

6.14 uk.gov.gchq.syntheticdatagenerator.types.Relation Enum Reference

Static Public Member Functions

- static Relation generate (final Random random)
  This method generates a relation.

Public Attributes

- GRANDPARENT
- PARENT
- SIBLING
- CHILDREN
- COUSIN

6.14.1 Member Function Documentation

6.14.1.1 generate()

```
static Relation uk.gov.gchq.syntheticdatagenerator.types.Relation.generate (
            final Random random )  [static]
```

This method generates a relation.

Parameters

random	random value

Returns

relation

6.14.2 Member Data Documentation

6.14.2.1 CHILDREN

`uk.gov.gchq.syntheticdatagenerator.types.Relation.CHILDREN`

6.14.2.2 COUSIN

`uk.gov.gchq.syntheticdatagenerator.types.Relation.COUSIN`

6.14.2.3 GRANDPARENT

`uk.gov.gchq.syntheticdatagenerator.types.Relation.GRANDPARENT`

6.14.2.4 PARENT

`uk.gov.gchq.syntheticdatagenerator.types.Relation.PARENT`

6.14.2.5 SIBLING

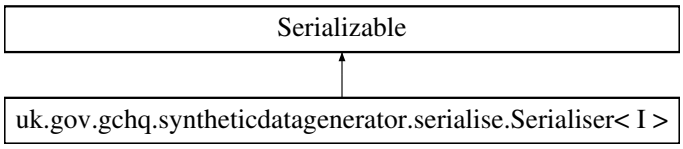
`uk.gov.gchq.syntheticdatagenerator.types.Relation.SIBLING`

The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Relation.java

6.15 uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I > Interface Template Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >:



Public Member Functions

- void serialise (final Stream< I > objects, final OutputStream output) throws IOException
- Stream< I > deserialise (final InputStream stream) throws IOException
- default String getClassName ()
- default void setClassName (final String className)

6.15.1 Detailed Description

IMPORTANT: All instances of this interface must be thread safe. That is, they must support multiple threads performing calling either Serialiser#deserialise(InputStream) or Serialiser#serialise(Stream, OutputStream) concurrently. The easiest and recommended way to do this is to make the
`Serialiser`

instance stateless; don't store anything related to a particular de/serialisation operation in class member fields.

6.15.2 Member Function Documentation

6.15.2.1 deserialise()

```
Stream< I > uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >.deserialise (
            final InputStream stream ) throws IOException
```

Deserialise an InputStream into a Stream of objects.

Parameters

stream	the input stream to deserialise

Returns

the deserialised object

Exceptions

IOException	if the input stream couldn't be read from.

6.15.2.2 getClassName()

```
default String uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >.getClassName ( )
```

6.15.2.3 serialise()

```
void uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >.serialise (
            final Stream< I > objects,
            final OutputStream output ) throws IOException
```

Serialises a Stream of objects to an OutputStream. If
`objects`

is
`null`

, then nothing will be written.

Parameters

objects	the stream of objects to be serialised
output	the output stream to write the serialised bytes to

Exceptions

IOException	if something fails while writing the object stream

6.15.2.4 setClassName()

```
default void uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >.setClassName (
            final String className )
```

The documentation for this interface was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/serialise/Serialiser.java

6.16 uk.gov.gchq.syntheticdatagenerator.types.Sex Enum Reference

Static Public Member Functions

- static Sex generate (final Random random)

  This method generates a person's sex.

Public Attributes

- NOT_KNOWN
- MALE
- FEMALE
- NOT_SPECIFIED

6.16.1 Member Function Documentation

6.16.1.1 generate()

```
static Sex uk.gov.gchq.syntheticdatagenerator.types.Sex.generate (
            final Random random )  [static]
```

This method generates a person's sex.

Parameters

random	random value

Returns

sex

6.16.2 Member Data Documentation

6.16.2.1 FEMALE

```
uk.gov.gchq.syntheticdatagenerator.types.Sex.FEMALE
```

6.16.2.2 MALE

```
uk.gov.gchq.syntheticdatagenerator.types.Sex.MALE
```

6.16.2.3 NOT_KNOWN

```
uk.gov.gchq.syntheticdatagenerator.types.Sex.NOT_KNOWN
```

6.16.2.4 NOT_SPECIFIED

```
uk.gov.gchq.syntheticdatagenerator.types.Sex.NOT_SPECIFIED
```

The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Sex.java

6.17 uk.gov.gchq.syntheticdatagenerator.types.Subject Enum Reference

Static Public Member Functions

- static Subject generate (final Random random)

  This method generates subjects.

Public Attributes

- LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS
- INGENIERIA_LOGISTICA
- VISION_POR_COMPUTADOR
- ROBOTICA_COMPUTACIONAL
- INTERFACES_INTELIGENTES
- SISTEMAS_INTELIGENTES
- COMPLEJIDAD_COMPUTACIONAL
- SISTEMAS_EMPOTRADOS
- ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_ESPECIFICO
- SEGURIDAD_DE_SISTEMAS_INFORMATICOS
- NORMATIVA_Y_REGULACION
- SISTEMAS_DE_INFORMACION_CONTABLE
- GESTION_DE_LA_INNOVACION
- DESARROLLO_Y_MANTENIMIENTO_DE_SISTEMAS_DE_INFORMACION
- TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_ORGANIZACIONES
- SISTEMAS_Y_TECNOLOGIAS_WEB
- GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES

6.17.1 Member Function Documentation

6.17.1.1 generate()

```
static Subject uk.gov.gchq.syntheticdatagenerator.types.Subject.generate (
            final Random random )  [static]
```

This method generates subjects.

Parameters

random	random value

Returns

subjects

6.17.2 Member Data Documentation

6.17.2.1 ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_ESPECIFICO

uk.gov.gchq.syntheticdatagenerator.types.Subject.ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_↩
ESPECIFICO

6.17.2.2 COMPLEJIDAD_COMPUTACIONAL

uk.gov.gchq.syntheticdatagenerator.types.Subject.COMPLEJIDAD_COMPUTACIONAL

6.17.2.3 DESARROLLO_Y_MANTENIMENTO_DE_SISTEMAS_DE_INFORMACION

uk.gov.gchq.syntheticdatagenerator.types.Subject.DESARROLLO_Y_MANTENIMENTO_DE_SISTEMAS_DE_↩
INFORMACION

6.17.2.4 GESTION_DE_LA_INNOVACION

uk.gov.gchq.syntheticdatagenerator.types.Subject.GESTION_DE_LA_INNOVACION

6.17.2.5 GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES

uk.gov.gchq.syntheticdatagenerator.types.Subject.GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES

6.17.2.6 INGENIERIA_LOGISTICA

uk.gov.gchq.syntheticdatagenerator.types.Subject.INGENIERIA_LOGISTICA

6.17.2.7 INTERFACES_INTELIGENTES

uk.gov.gchq.syntheticdatagenerator.types.Subject.INTERFACES_INTELIGENTES

6.17.2.8 LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS

uk.gov.gchq.syntheticdatagenerator.types.Subject.LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS

6.17.2.9 NORMATIVA_Y_REGULACION

uk.gov.gchq.syntheticdatagenerator.types.Subject.NORMATIVA_Y_REGULACION

6.17.2.10 ROBOTICA_COMPUTACIONAL

uk.gov.gchq.syntheticdatagenerator.types.Subject.ROBOTICA_COMPUTACIONAL

6.17.2.11 SEGURIDAD_DE_SISTEMAS_INFORMATICOS

uk.gov.gchq.syntheticdatagenerator.types.Subject.SEGURIDAD_DE_SISTEMAS_INFORMATICOS

6.17.2.12 SISTEMAS_DE_INFORMACION_CONTABLE

uk.gov.gchq.syntheticdatagenerator.types.Subject.SISTEMAS_DE_INFORMACION_CONTABLE

6.17.2.13 SISTEMAS_EMPOTRADOS

uk.gov.gchq.syntheticdatagenerator.types.Subject.SISTEMAS_EMPOTRADOS

6.17.2.14 SISTEMAS_INTELIGENTES

uk.gov.gchq.syntheticdatagenerator.types.Subject.SISTEMAS_INTELIGENTES

6.17.2.15 SISTEMAS_Y_TECNOLOGIAS_WEB

uk.gov.gchq.syntheticdatagenerator.types.Subject.SISTEMAS_Y_TECNOLOGIAS_WEB

6.17.2.16 TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_ORGANIZACIONES

uk.gov.gchq.syntheticdatagenerator.types.Subject.TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_↩
ORGANIZACIONES

6.17.2.17 VISION_POR_COMPUTADOR

uk.gov.gchq.syntheticdatagenerator.types.Subject.VISION_POR_COMPUTADOR

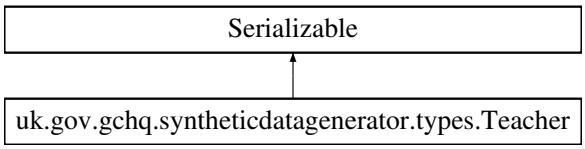
The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Subject.java

6.18 uk.gov.gchq.syntheticdatagenerator.types.Teacher Class Reference

This class generates random values for the entity teacher.

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.Teacher:



Public Member Functions

- String getUid ()

  This method returns the identifier of a teacher.
- void setUid (final String uid)

  This method assigns the identifier of a teacher.
- String getName ()

  This method returns the name of a teacher.
- void setName (final String name)

  This method assigns a name to a teacher.
- String getDateOfBirth ()

  This method returns the date of birth of a teacher.
- void setDateOfBirth (final String dateOfBirth)

  This method assigns a date of birth to a teacher.
- PhoneNumber[ ] getContactNumbers ()

  This method returns list of contact numbers of a teacher.
- void setContactNumbers (final PhoneNumber[ ] contactNumbers)

  This method assigns a list of contact number to a teacher.
- EmergencyContact[ ] getEmergencyContacts ()

  This method returns the list of emergency contacts of a teacher.
- void setEmergencyContacts (final EmergencyContact[ ] emergencyContacts)

  This method assigns a list of emergency contacts to a teacher.
- Address getAddress ()

  This method returns the address of a teacher.
- void setAddress (final Address address)

  This method assigns an address to a teacher.
- Manager[ ] getManager ()

  This method returns the list of managers of a teacher.
- void setManager (final Manager[ ] manager)

  This method assigns a list of managers to a teacher.
- Nationality getNationality ()

  This method returns the nationality of a teacher.
- void setNationality (final Nationality nationality)

  This method assigns a nationality to a teacher.
- Subject getSubject ()

  This method returns the subject taught by a teacher.
- void setSubject (final Subject subject)

  This method assigns a taught subject to a teacher.
- Department getDepartment ()

  This method returns the department of a teacher.
- void setDepartment (final Department department)

  This method assigns a department to a teacher.
- String getHireDate ()

  This method returns the hire date of a teacher.
- void setHireDate (final String hireDate)

  This method assigns a hire date to a teacher.
- int getSalaryAmount ()

  This method returns the salary amount of a teacher.
- void setSalaryAmount (final int salaryAmount)

  This method assigns a salary amount to a teacher.
- int getSalaryBonus ()

This method returns the salary bonus of a teacher.

- void setSalaryBonus (final int salaryBonus)

  This method assigns a salary bonus to a teacher.
- WorkLocation getWorkLocation ()

  This method returns the work location of a teacher.
- void setWorkLocation (final WorkLocation workLocation)

  This method assigns a work location to a teacher.
- Sex getSex ()

  This method returns the sex of a teacher.
- void setSex (final Sex sex)

  This method assigns a sex to a teacher.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static Teacher generate (final Random random)

  This method generates random values for a teacher.
- static String generateUID (final Random random)

  This method generates an identifier.

6.18.1 Detailed Description

This class generates random values for the entity teacher.

6.18.2 Member Function Documentation

6.18.2.1 generate()

```
static Teacher uk.gov.gchq.syntheticdatagenerator.types.Teacher.generate (
            final Random random )  [static]
```

This method generates random values for a teacher.

Parameters

random	random value

Returns

generated teachers

6.18.2.2 generateUID()

```
static String uk.gov.gchq.syntheticdatagenerator.types.Teacher.generateUID (
            final Random random )  [static]
```

This method generates an identifier.

Parameters

random	random value

Returns

generated identifier

6.18.2.3 getAddress()

```
Address uk.gov.gchq.syntheticdatagenerator.types.Teacher.getAddress ( )
```

This method returns the address of a teacher.

Returns

address

6.18.2.4 getContactNumbers()

```
PhoneNumber[] uk.gov.gchq.syntheticdatagenerator.types.Teacher.getContactNumbers ( )
```

This method returns list of contact numbers of a teacher.

Returns

list of contact numbers

6.18.2.5 getDateOfBirth()

```
String uk.gov.gchq.syntheticdatagenerator.types.Teacher.getDateOfBirth ( )
```

This method returns the date of birth of a teacher.

Returns

date of birth

6.18.2.6 getDepartment()

```
Department uk.gov.gchq.syntheticdatagenerator.types.Teacher.getDepartment ( )
```

This method returns the department of a teacher.

Returns

department

6.18.2.7 getEmergencyContacts()

```
EmergencyContact[] uk.gov.gchq.syntheticdatagenerator.types.Teacher.getEmergencyContacts ( )
```

This method returns the list of emergency contacts of a teacher.

Returns

list of emergency contacts

6.18.2.8 getHireDate()

```
String uk.gov.gchq.syntheticdatagenerator.types.Teacher.getHireDate ( )
```

This method returns the hire date of a teacher.

Returns

hire date

6.18.2.9 getManager()

```
Manager[] uk.gov.gchq.syntheticdatagenerator.types.Teacher.getManager ( )
```

This method returns the list of managers of a teacher.

Returns

list of managers

6.18.2.10 getName()

```
String uk.gov.gchq.syntheticdatagenerator.types.Teacher.getName ( )
```

This method returns the name of a teacher.

Returns

name

6.18.2.11 getNationality()

```
Nationality uk.gov.gchq.syntheticdatagenerator.types.Teacher.getNationality ( )
```

This method returns the nationality of a teacher.

Returns

nationality

6.18.2.12 getSalaryAmount()

```
int uk.gov.gchq.syntheticdatagenerator.types.Teacher.getSalaryAmount ( )
```

This method returns the salary amount of a teacher.

Returns

salary amount

6.18.2.13 getSalaryBonus()

```
int uk.gov.gchq.syntheticdatagenerator.types.Teacher.getSalaryBonus ( )
```

This method returns the salary bonus of a teacher.

Returns

salary bonus

6.18.2.14 getSex()

```
Sex uk.gov.gchq.syntheticdatagenerator.types.Teacher.getSex ( )
```

This method returns the sex of a teacher.

Returns

sex

6.18.2.15 getSubject()

```
Subject uk.gov.gchq.syntheticdatagenerator.types.Teacher.getSubject ( )
```

This method returns the subject taught by a teacher.

Returns

subject

6.18.2.16 getUid()

```
String uk.gov.gchq.syntheticdatagenerator.types.Teacher.getUid ( )
```

This method returns the identifier of a teacher.

Returns

identifier

6.18.2.17 getWorkLocation()

```
WorkLocation uk.gov.gchq.syntheticdatagenerator.types.Teacher.getWorkLocation ( )
```

This method returns the work location of a teacher.

Returns

work location

6.18.2.18 setAddress()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setAddress (
            final Address address )
```

This method assigns an address to a teacher.

Parameters

address	address

6.18.2.19 setContactNumbers()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setContactNumbers (
            final PhoneNumber[] contactNumbers )
```

This method assigns a list of contact number to a teacher.

Parameters

contactNumbers	list of contact numbers

6.18.2.20 setDateOfBirth()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setDateOfBirth (
            final String dateOfBirth )
```

This method assigns a date of birth to a teacher.

Parameters

dateOfBirth	date of birth

6.18.2.21 setDepartment()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setDepartment (
            final Department department )
```

This method assigns a department to a teacher.

Parameters

department	department

6.18.2.22 setEmergencyContacts()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setEmergencyContacts (
            final EmergencyContact[] emergencyContacts )
```

This method assigns a list of emergency contacts to a teacher.

Parameters

emergencyContacts	list of emergency contacts

6.18.2.23 setHireDate()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setHireDate (
            final String hireDate )
```

This method assigns a hire date to a teacher.

Parameters

hireDate	hire date

6.18.2.24 setManager()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setManager (
            final Manager[] manager )
```

This method assigns a list of managers to a teacher.

Parameters

manager	list of managers

6.18.2.25 setName()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setName (
            final String name )
```

This method assigns a name to a teacher.

Parameters

name	name

6.18.2.26 setNationality()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setNationality (
            final Nationality nationality )
```

This method assigns a nationality to a teacher.

Parameters

nationality	nationality

6.18.2.27 setSalaryAmount()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setSalaryAmount (
            final int salaryAmount )
```

This method assigns a salary amount to a teacher.

Parameters

salaryAmount	salary amount

6.18.2.28 setSalaryBonus()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setSalaryBonus (
            final int salaryBonus )
```

This method assigns a salary bonus to a teacher.

Parameters

salaryBonus	salary bonus

6.18.2.29 setSex()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setSex (
            final Sex sex )
```

This method assigns a sex to a teacher.

Parameters

sex	sex

6.18.2.30 setSubject()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setSubject (
            final Subject subject )
```

This method assigns a taught subject to a teacher.

Parameters

subject	subject

6.18.2.31 setUid()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setUid (
            final String uid )
```

This method assigns the identifier of a teacher.

Parameters

uid	identifier

6.18.2.32 setWorkLocation()

```
void uk.gov.gchq.syntheticdatagenerator.types.Teacher.setWorkLocation (
            final WorkLocation workLocation )
```

This method assigns a work location to a teacher.

Parameters

workLocation	work location

6.18.2.33 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.Teacher.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/Teacher.java

6.19 uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker Class Reference

Public Member Functions

- void unloadFaker ()
- void unloadRandom ()

Static Public Member Functions

- static Faker getFaker (final Random random)

  This method generates fake data.

6.19.1 Member Function Documentation

6.19.1.1 getFaker()

```
static Faker uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker.getFaker (
            final Random random )  [static]
```

This method generates fake data.

Parameters

random	random valued

Returns

generated fake data

6.19.1.2 unloadFaker()

```
void uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker.unloadFaker ( )
```

6.19.1.3 unloadRandom()

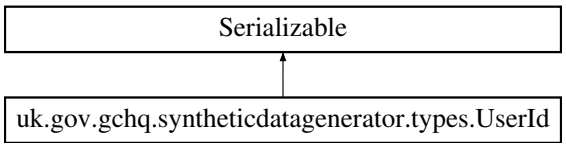
```
void uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker.unloadRandom ( )
```

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/ThreadLocalFaker.java

6.20 uk.gov.gchq.syntheticdatagenerator.types.UserId Class Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.UserId:



Public Member Functions

- UserId ()
- UserId id (final String id)
- String getId ()

  This method returns the identifier.
- void setId (final String id)

  This method assigns the identifier.
- boolean equals (final Object o)
- int hashCode ()
- String toString ()

6.20.1 Detailed Description

A UserId uniquely identifies a User

6.20.2 Constructor & Destructor Documentation

6.20.2.1 UserId()

```
uk.gov.gchq.syntheticdatagenerator.types.UserId.UserId ( )
```

Constructs an empty UserId.

6.20.3 Member Function Documentation

6.20.3.1 equals()

```
boolean uk.gov.gchq.syntheticdatagenerator.types.UserId.equals (
            final Object o )
```

6.20.3.2 getId()

```
String uk.gov.gchq.syntheticdatagenerator.types.UserId.getId ( )
```

This method returns the identifier.

Returns

identifier

6.20.3.3 hashCode()

```
int uk.gov.gchq.syntheticdatagenerator.types.UserId.hashCode ( )
```

6.20.3.4 id()

```
UserId uk.gov.gchq.syntheticdatagenerator.types.UserId.id (
            final String id )
```

Updates the id of the UserID

Parameters

id	a non null String representing the id of the user

Returns

the UserId object

6.20.3.5 setId()

```
void uk.gov.gchq.syntheticdatagenerator.types.UserId.setId (
            final String id )
```

This method assigns the identifier.

Parameters

id	identifier

6.20.3.6 toString()

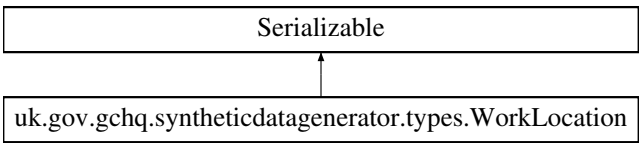
```
String uk.gov.gchq.syntheticdatagenerator.types.UserId.toString ( )
```

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/UserId.java

6.21 uk.gov.gchq.syntheticdatagenerator.types.WorkLocation Class Reference

Inheritance diagram for uk.gov.gchq.syntheticdatagenerator.types.WorkLocation:



Public Member Functions

- WorkLocationName getWorkLocationName ()

  This method returns the work location of a person.
- void setWorkLocationName (final WorkLocationName workLocationName)

  This method assigns a work location to a person.
- Address getAddress ()

  This method returns the address of a person.
- void setAddress (final Address address)

  This method assigns an address to a person.
- String toString ()

  Change attributes to a string format.

Static Public Member Functions

- static WorkLocation generate (final Faker faker, final Random random)

  This method generates work locations.

6.21.1 Member Function Documentation

6.21.1.1 generate()

```
static WorkLocation uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.generate (
            final Faker faker,
            final Random random )  [static]
```

This method generates work locations.

Parameters

faker	fake data value
random	random value

Returns

generated work location

6.21.1.2 getAddress()

```
Address uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.getAddress ( )
```

This method returns the address of a person.

Returns

address

6.21.1.3 getWorkLocationName()

```
WorkLocationName uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.getWorkLocationName ( )
```

This method returns the work location of a person.

Returns

work location

6.21.1.4 setAddress()

```
void uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.setAddress (
            final Address address )
```

This method assigns an address to a person.

Parameters

address	address

6.21.1.5 setWorkLocationName()

```
void uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.setWorkLocationName (
            final WorkLocationName workLocationName )
```

This method assigns a work location to a person.

Parameters

workLocationName	work Location

6.21.1.6 toString()

```
String uk.gov.gchq.syntheticdatagenerator.types.WorkLocation.toString ( )
```

Change attributes to a string format.

Returns

attributes in a string format

The documentation for this class was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation.java

6.22 uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName Enum Reference

Static Public Member Functions

- static WorkLocationName generate (final Random random)

  This method generates a Work Location.

Public Attributes

- MADRID
- BARCELONA
- SEVILLA
- VALENCIA
- ALICANTE
- MURCIA
- BILBAO
- ZARAGOZA
- MALAGA
- CORDOBA
- VALLADOLID
- VIGO
- GIJON
- GRANADA
- CADIZ
- VITORIA
- JEREZ_DE_LA_FRONTERA
- PAMPLONA
- SAN_SEBASTIAN
- PALMA_DE_MALLORCA
- ALMERIA
- GETAFE
- BURGOS
- ALBACETE
- SANTANDER
- SALAMANCA
- MARBELLA
- HUELVA
- TARRAGONA
- TOLEDO
- LAS_PALMAS_DE_GRAN_CANARIA
- SAN_SEBASTIAN_DE_LA_GOMERA
- PUERTO_DEL_ROSARIO
- ARRECIFE
- ADEJE
- PUERTO_DE_LA_CRUZ
- SANTA_CRUZ_DE_TENERIFE
- SAN_CRISTOBAL_DE_LA_LAGUNA

6.22.1 Member Function Documentation

6.22.1.1 generate()

```
static WorkLocationName uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.generate (
            final Random random )  [static]
```

This method generates a Work Location.

Parameters

random	random value

Returns

work location name

6.22.2 Member Data Documentation

6.22.2.1 ADEJE

```
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ADEJE
```

6.22.2.2 ALBACETE

```
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ALBACETE
```

6.22.2.3 ALICANTE

```
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ALICANTE
```

6.22.2.4 ALMERIA

```
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ALMERIA
```

6.22.2.5 ARRECIFE

```
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ARRECIFE
```

6.22.2.6 BARCELONA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.BARCELONA

6.22.2.7 BILBAO

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.BILBAO

6.22.2.8 BURGOS

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.BURGOS

6.22.2.9 CADIZ

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.CADIZ

6.22.2.10 CORDOBA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.CORDOBA

6.22.2.11 GETAFE

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.GETAFE

6.22.2.12 GIJON

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.GIJON

6.22.2.13 GRANADA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.GRANADA

6.22.2.14 HUELVA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.HUELVA

6.22.2.15 JEREZ_DE_LA_FRONTERA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.JEREZ_DE_LA_FRONTERA

6.22.2.16 LAS_PALMAS_DE_GRAN_CANARIA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.LAS_PALMAS_DE_GRAN_CANARIA

6.22.2.17 MADRID

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.MADRID

6.22.2.18 MALAGA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.MALAGA

6.22.2.19 MARBELLA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.MARBELLA

6.22.2.20 MURCIA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.MURCIA

6.22.2.21 PALMA_DE_MALLORCA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.PALMA_DE_MALLORCA

6.22.2.22 PAMPLONA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.PAMPLONA

6.22.2.23 PUERTO_DE_LA_CRUZ

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.PUERTO_DE_LA_CRUZ

6.22.2.24 PUERTO_DEL_ROSARIO

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.PUERTO_DEL_ROSARIO

6.22.2.25 SALAMANCA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SALAMANCA

6.22.2.26 SAN_CRISTOBAL_DE_LA_LAGUNA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SAN_CRISTOBAL_DE_LA_LAGUNA

6.22.2.27 SAN_SEBASTIAN

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SAN_SEBASTIAN

6.22.2.28 SAN_SEBASTIAN_DE_LA_GOMERA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SAN_SEBASTIAN_DE_LA_GOMERA

6.22.2.29 SANTA_CRUZ_DE_TENERIFE

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SANTA_CRUZ_DE_TENERIFE

6.22.2.30 SANTANDER

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SANTANDER

6.22.2.31 SEVILLA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.SEVILLA

6.22.2.32 TARRAGONA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.TARRAGONA

6.22.2.33 TOLEDO

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.TOLEDO

6.22.2.34 VALENCIA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.VALENCIA

6.22.2.35 VALLADOLID

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.VALLADOLID

6.22.2.36 VIGO

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.VIGO

6.22.2.37 VITORIA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.VITORIA

6.22.2.38 ZARAGOZA

uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName.ZARAGOZA

The documentation for this enum was generated from the following file:

- java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocationName.java

Chapter 7

File Documentation

7.1 java/uk/gov/gchq/syntheticdatagenerator/CreateData.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.CreateData

Packages

- package uk.gov.gchq.syntheticdatagenerator

7.2 java/uk/gov/gchq/syntheticdatagenerator/CreateDataFile.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.CreateDataFile

  This class creates a data file.

Packages

- package uk.gov.gchq.syntheticdatagenerator

7.3 java/uk/gov/gchq/syntheticdatagenerator/package-info.java File Reference

Packages

- package uk.gov.gchq.syntheticdatagenerator

7.4 java/uk/gov/gchq/syntheticdatagenerator/serialise/package-info.java File Reference

Packages

- package uk.gov.gchq.syntheticdatagenerator.serialise

7.5 java/uk/gov/gchq/syntheticdatagenerator/types/package-info.java File Reference

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.6 java/uk/gov/gchq/syntheticdatagenerator/utils/package-info.java File Reference

Packages

- package uk.gov.gchq.syntheticdatagenerator.utils

7.7 java/uk/gov/gchq/syntheticdatagenerator/serialise/AvroSerialiser.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >

Packages

- package uk.gov.gchq.syntheticdatagenerator.serialise

7.8 java/uk/gov/gchq/syntheticdatagenerator/serialise/Serialiser.java File Reference

Classes

- interface uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >

Packages

- package uk.gov.gchq.syntheticdatagenerator.serialise

7.9 java/uk/gov/gchq/syntheticdatagenerator/types/Address.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.Address

  This class creates random values for an address.

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.10 java/uk/gov/gchq/syntheticdatagenerator/types/BankDetails.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.BankDetails

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.11 java/uk/gov/gchq/syntheticdatagenerator/types/Department.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Department

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.12 java/uk/gov/gchq/syntheticdatagenerator/types/EmergencyContact.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.13 java/uk/gov/gchq/syntheticdatagenerator/types/Employee.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.Employee

  This class generates random values for the entity Employee.

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.14 java/uk/gov/gchq/syntheticdatagenerator/types/Grade.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Grade

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.15 java/uk/gov/gchq/syntheticdatagenerator/types/Manager.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.Manager

  This class creates random values for a manager.

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.16 java/uk/gov/gchq/syntheticdatagenerator/types/Nationality.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Nationality

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.17 java/uk/gov/gchq/syntheticdatagenerator/types/PhoneNumber.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.18 java/uk/gov/gchq/syntheticdatagenerator/types/Relation.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Relation

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.19 java/uk/gov/gchq/syntheticdatagenerator/types/Sex.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Sex

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.20 java/uk/gov/gchq/syntheticdatagenerator/types/Subject.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.Subject

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.21 java/uk/gov/gchq/syntheticdatagenerator/types/Teacher.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.Teacher

  This class generates random values for the entity teacher.

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.22 java/uk/gov/gchq/syntheticdatagenerator/types/ThreadLocal↩ Faker.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.23 java/uk/gov/gchq/syntheticdatagenerator/types/UserId.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.UserId

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.24 java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.types.WorkLocation

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.25 java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation↩ Name.java File Reference

Classes

- enum uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName

Packages

- package uk.gov.gchq.syntheticdatagenerator.types

7.26 java/uk/gov/gchq/syntheticdatagenerator/utils/DateHelper.java File Reference

Classes

- class uk.gov.gchq.syntheticdatagenerator.utils.DateHelper

Packages

- package uk.gov.gchq.syntheticdatagenerator.utils

Index

ADEJE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
AFGHAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 53
ALBACETE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
ALBANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 53
ALGERIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 53
ALICANTE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
ALMERIA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
AMERICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 53
ANDORRAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
ANGOLAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
ANGUILLAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
ARGENTINE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
ARMENIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_ESPECIFICO
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
ARRECIFE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
AUSTRALIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
AUSTRIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54
AvroSerialiser
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >, 17
AZERBAIJANI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 54

BAHAMIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BAHRAINI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BANGLADESHI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BARBADIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BARCELONA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 110
BELARUSIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BELGIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BELIZEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BENINESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 55
BERMUDIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BHUTANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BILBAO
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
BOLIVIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BOTSWANAN

uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BRAZILIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BRITISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BRITISH_VIRGIN_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BRUNEIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 56
BULGARIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
BURGOS
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
BURKINAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
BURMESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
BURUNDIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
BUSINESS
uk.gov.gchq.syntheticdatagenerator.types.Department, 25

CADIZ
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
call
uk.gov.gchq.syntheticdatagenerator.CreateDataFile, 23
CAMBODIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
CAMEROONIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
CANADIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
CAPE_VERDEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 57
CAYMAN_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CENTRAL_AFRICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CHADIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CHILDREN
uk.gov.gchq.syntheticdatagenerator.types.Relation, 85
CHILEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CHINESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CITIZEN_OF_ANTIGUA_AND_BARBUDA
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CITIZEN_OF_BOSNIA_AND_HERZEGOVINA
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CITIZEN_OF_GUINEA_BISSAU
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 58
CITIZEN_OF_KIRIBATI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
CITIZEN_OF_SEYCHELLES
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
CITIZEN_OF_THE_DOMINICAN_REPUBLIC
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
CITIZEN_OF_VANUATU
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
COLOMBIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
COMMUNICATION
uk.gov.gchq.syntheticdatagenerator.types.Department, 25
COMORAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
COMPLEJIDAD_COMPUTACIONAL
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
CONGOLESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
COOK_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 59
CORDOBA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
COSTA_RICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
COUSIN
uk.gov.gchq.syntheticdatagenerator.types.Relation,

85
createDaemonThreadFactory
uk.gov.gchq.syntheticdatagenerator.CreateData, 21
CreateDataFile
uk.gov.gchq.syntheticdatagenerator.CreateDataFile, 22
CROATIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
CUBAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
CYMRAES
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
CYMRO
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
CYPRIOT
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
CZECH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60

DANISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 60
DESARROLLO_Y_MANTENIMENTO_DE_SISTEMAS_DE_INFORMACION
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
deserialise
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >, 17
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >, 86
DJIBOUTIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
DOMINICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
DUTCH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61

EAST_TIMORESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
ECONOMICS
uk.gov.gchq.syntheticdatagenerator.types.Department, 25
ECUADOREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
EDUCATION
uk.gov.gchq.syntheticdatagenerator.types.Department, 25
EGYPTIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
EMIRATI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
ENGLISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 61
equals
uk.gov.gchq.syntheticdatagenerator.types.UserId, 105
EQUATORIAL_GUINEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
ERITREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
ESTONIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
ETHIOPIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62

FAROESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
FEMALE
uk.gov.gchq.syntheticdatagenerator.types.Sex, 88
FIJIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
FILIPINO
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
FINNISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 62
FRENCH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63

GABONESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GAMBIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
generate
uk.gov.gchq.syntheticdatagenerator.types.Address, 12
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 19
uk.gov.gchq.syntheticdatagenerator.types.Department, 24
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 28

uk.gov.gchq.syntheticdatagenerator.types.Employee, 32
uk.gov.gchq.syntheticdatagenerator.types.Grade, 42
uk.gov.gchq.syntheticdatagenerator.types.Manager, 45
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 53
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 82
uk.gov.gchq.syntheticdatagenerator.types.Relation, 84
uk.gov.gchq.syntheticdatagenerator.types.Sex, 88
uk.gov.gchq.syntheticdatagenerator.types.Subject, 89
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 94
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 107
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 109
generateDateOfBirth
uk.gov.gchq.syntheticdatagenerator.utils.DateHelper, 23
generateHireDate
uk.gov.gchq.syntheticdatagenerator.utils.DateHelper, 24
generateMany
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 28
uk.gov.gchq.syntheticdatagenerator.types.Manager, 45
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 82
generateRecursive
uk.gov.gchq.syntheticdatagenerator.types.Manager, 46
generateUID
uk.gov.gchq.syntheticdatagenerator.types.Employee, 32
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 94
GEORGIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GERMAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GESTION_DE_LA_INNOVACION
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
getAccountNumber
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 19
getAddress
uk.gov.gchq.syntheticdatagenerator.types.Employee, 33
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 95
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 107
GETAFE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
getBankDetails
uk.gov.gchq.syntheticdatagenerator.types.Employee, 33
getCity
uk.gov.gchq.syntheticdatagenerator.types.Address, 12
getClassName
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >, 87
getContactName
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 28
getContactNumbers
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 29
uk.gov.gchq.syntheticdatagenerator.types.Employee, 33
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 95
getDateOfBirth
uk.gov.gchq.syntheticdatagenerator.types.Employee, 33
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 95
getDepartment
uk.gov.gchq.syntheticdatagenerator.types.Employee, 34
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 95
getDomainClass
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >, 17
getEmergencyContacts
uk.gov.gchq.syntheticdatagenerator.types.Employee, 34
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 96
getExtensionByGuava
uk.gov.gchq.syntheticdatagenerator.CreateDataFile, 23
getFaker
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker, 103
getGrade
uk.gov.gchq.syntheticdatagenerator.types.Employee, 34
getHireDate
uk.gov.gchq.syntheticdatagenerator.types.Employee, 34

uk.gov.gchq.syntheticdatagenerator.types.Teacher, 96
getId
uk.gov.gchq.syntheticdatagenerator.types.UserId, 105
getManager
uk.gov.gchq.syntheticdatagenerator.types.Employee, 35
uk.gov.gchq.syntheticdatagenerator.types.Manager, 46
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 96
getManagerType
uk.gov.gchq.syntheticdatagenerator.types.Manager, 46
getName
uk.gov.gchq.syntheticdatagenerator.types.Employee, 35
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 96
getNationality
uk.gov.gchq.syntheticdatagenerator.types.Employee, 35
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 97
getPhoneNumber
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 83
getRelation
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 29
getSalaryAmount
uk.gov.gchq.syntheticdatagenerator.types.Employee, 35
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 97
getSalaryBonus
uk.gov.gchq.syntheticdatagenerator.types.Employee, 36
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 97
getSex
uk.gov.gchq.syntheticdatagenerator.types.Employee, 36
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 97
getSortCode
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 19
getState
uk.gov.gchq.syntheticdatagenerator.types.Address, 12
getStreetAddressNumber
uk.gov.gchq.syntheticdatagenerator.types.Address, 13
getStreetName
uk.gov.gchq.syntheticdatagenerator.types.Address, 13
getSubject
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 98
getTaxCode
uk.gov.gchq.syntheticdatagenerator.types.Employee, 36
getType
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 83
getUid
uk.gov.gchq.syntheticdatagenerator.types.Employee, 36
uk.gov.gchq.syntheticdatagenerator.types.Manager, 47
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 98
getWorkLocation
uk.gov.gchq.syntheticdatagenerator.types.Employee, 37
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 98
getWorkLocationName
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 107
getZipCode
uk.gov.gchq.syntheticdatagenerator.types.Address, 13
GHANAIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GIBRALTARIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GIJON
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
GRADE_1
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_2
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_3
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_4
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_5
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_6
uk.gov.gchq.syntheticdatagenerator.types.Grade, 43
GRADE_7
uk.gov.gchq.syntheticdatagenerator.types.Grade, 44
GRADE_8

uk.gov.gchq.syntheticdatagenerator.types.Grade, 44
GRANADA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
GRANDPARENT
uk.gov.gchq.syntheticdatagenerator.types.Relation, 85
GREEK
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 63
GREENLANDIC
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
GRENADIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
GUAMANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
GUATEMALAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
GUINEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
GUYANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64

HAITIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
hashCode
uk.gov.gchq.syntheticdatagenerator.types.UserId, 105
HEALTH_SCIENCES
uk.gov.gchq.syntheticdatagenerator.types.Department, 25
HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING
uk.gov.gchq.syntheticdatagenerator.types.Department, 25
HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING_AND_TECHNOLOGY
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
HONDURAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 64
HONG_KONGER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
HUELVA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 111
HUMANITIES
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
HUNGARIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65

ICELANDIC
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
id
uk.gov.gchq.syntheticdatagenerator.types.UserId, 105
INDIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
INDONESIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
INGENIERIA_LOGISTICA
uk.gov.gchq.syntheticdatagenerator.types.Subject, 90
INTERFACES_INTELIGENTES
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
IRANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
IRAQI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
IRISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 65
ISRAELI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
ITALIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
IVORIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66

JAMAICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
JAPANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
java/uk/gov/gchq/syntheticdatagenerator/CreateData.java, 115
java/uk/gov/gchq/syntheticdatagenerator/CreateDataFile.java, 115
java/uk/gov/gchq/syntheticdatagenerator/package-info.java, 115
java/uk/gov/gchq/syntheticdatagenerator/serialise/AvroSerialiser.java, 116
java/uk/gov/gchq/syntheticdatagenerator/serialise/package-info.java, 116
java/uk/gov/gchq/syntheticdatagenerator/serialise/Serialiser.java, 116

java/uk/gov/gchq/syntheticdatagenerator/types/Address.java, 117
java/uk/gov/gchq/syntheticdatagenerator/types/BankDetails.java, 117
java/uk/gov/gchq/syntheticdatagenerator/types/Department.java, 117
java/uk/gov/gchq/syntheticdatagenerator/types/EmergencyContact.java, 117
java/uk/gov/gchq/syntheticdatagenerator/types/Employee.java, 118
java/uk/gov/gchq/syntheticdatagenerator/types/Grade.java, 118
java/uk/gov/gchq/syntheticdatagenerator/types/Manager.java, 118
java/uk/gov/gchq/syntheticdatagenerator/types/Nationality.java, 119
java/uk/gov/gchq/syntheticdatagenerator/types/package-info.java, 116
java/uk/gov/gchq/syntheticdatagenerator/types/PhoneNumber.java, 119
java/uk/gov/gchq/syntheticdatagenerator/types/Relation.java, 119
java/uk/gov/gchq/syntheticdatagenerator/types/Sex.java, 119
java/uk/gov/gchq/syntheticdatagenerator/types/Subject.java, 120
java/uk/gov/gchq/syntheticdatagenerator/types/Teacher.java, 120
java/uk/gov/gchq/syntheticdatagenerator/types/ThreadLocalFaker.java, 120
java/uk/gov/gchq/syntheticdatagenerator/types/UserId.java, 120
java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocation.java, 121
java/uk/gov/gchq/syntheticdatagenerator/types/WorkLocationName.java, 121
java/uk/gov/gchq/syntheticdatagenerator/utils/DateHelper.java, 121
java/uk/gov/gchq/syntheticdatagenerator/utils/package-info.java, 116
JEREZ_DE_LA_FRONTERA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
JORDANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
KAZAKH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
KENYAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 66
KITTITIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
KOSOVAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
KUWAITI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
KYRGYZ
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
LAO
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
LAS_PALMAS_DE_GRAN_CANARIA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
LATVIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
LAW
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
LEBANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
LIBERIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 67
LIBYAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
LIECHTENSTEIN_CITIZEN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
LITHUANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
LUXEMBOURGER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
MACANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
MACEDONIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
MADRID
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
main
uk.gov.gchq.syntheticdatagenerator.CreateData, 21
MALAGA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
MALAGASY
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68

MALAWIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 68
MALAYSIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MALDIVIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MALE
uk.gov.gchq.syntheticdatagenerator.types.Sex, 88
MALIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MALTESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MARBELLA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
MARSHALLESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MARTINIQUAIS
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MAURITANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MAURITIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 69
MEXICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MICRONESIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MOLDOVAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MONEGASQUE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MONGOLIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MONTENEGRIN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MONTSERRATIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MOROCCAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 70
MOSOTHO
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
MOZAMBICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
MURCIA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112

NAMIBIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NAURUAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NEPALESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NEW_ZEALANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NICARAGUAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NIGERIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 71
NIGERIEN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
NIUEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
NORMATIVA_Y_REGULACION
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
NORTH_KOREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
NORTHERN_IRISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
NORWEGIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
NOT_KNOWN
uk.gov.gchq.syntheticdatagenerator.types.Sex, 88
NOT_SPECIFIED
uk.gov.gchq.syntheticdatagenerator.types.Sex, 89

OMANI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72

PAKISTANI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72
PALAUAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 72

PALESTINIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PALMA_DE_MALLORCA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
PAMPLONA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 112
PANAMANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PAPUA_NEW_GUINEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PARAGUAYAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PARENT
uk.gov.gchq.syntheticdatagenerator.types.Relation, 85
PERUVIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PITCAIRN_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
POLISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
POLITICAL_SCIENCES
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
PORTUGUESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 73
PRYDEINIG
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74
PUERTO_DE_LA_CRUZ
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
PUERTO_DEL_ROSARIO
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
PUERTO_RICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74

QATARI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74

ROBOTICA_COMPUTACIONAL
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
ROMANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74
RUSSIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74
RWANDAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74

SALAMANCA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SALVADOREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74
SAMMARINESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 74
SAMOAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SAN_CRISTOBAL_DE_LA_LAGUNA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SAN_SEBASTIAN
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SAN_SEBASTIAN_DE_LA_GOMERA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SANTA_CRUZ_DE_TENERIFE
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SANTANDER
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 113
SAO_TOMEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SAUDI_ARABIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
SCIENCES
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
SCOTTISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SEGURIDAD_DE_SISTEMAS_INFORMATICOS
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
SENEGALESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SERBIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
serialise

uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >, 18
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >, 87
setAccountNumber
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 20
setAddress
uk.gov.gchq.syntheticdatagenerator.types.Employee, 37
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 98
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 108
setBankDetails
uk.gov.gchq.syntheticdatagenerator.types.Employee, 37
setCity
uk.gov.gchq.syntheticdatagenerator.types.Address, 13
setClassName
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >, 87
setContactName
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 29
setContactNumbers
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 29
uk.gov.gchq.syntheticdatagenerator.types.Employee, 38
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 99
setDateOfBirth
uk.gov.gchq.syntheticdatagenerator.types.Employee, 38
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 99
setDepartment
uk.gov.gchq.syntheticdatagenerator.types.Employee, 38
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 99
setEmergencyContacts
uk.gov.gchq.syntheticdatagenerator.types.Employee, 38
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 99
setGrade
uk.gov.gchq.syntheticdatagenerator.types.Employee, 39
setHireDate
uk.gov.gchq.syntheticdatagenerator.types.Employee, 39
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 100
setId
uk.gov.gchq.syntheticdatagenerator.types.UserId, 106
setManager
uk.gov.gchq.syntheticdatagenerator.types.Employee, 39
uk.gov.gchq.syntheticdatagenerator.types.Manager, 47
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 100
setManagerType
uk.gov.gchq.syntheticdatagenerator.types.Manager, 47
setName
uk.gov.gchq.syntheticdatagenerator.types.Employee, 39
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 100
setNationality
uk.gov.gchq.syntheticdatagenerator.types.Employee, 40
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 101
setPhoneNumber
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 83
setRelation
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 30
setSalaryAmount
uk.gov.gchq.syntheticdatagenerator.types.Employee, 40
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 101
setSalaryBonus
uk.gov.gchq.syntheticdatagenerator.types.Employee, 40
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 101
setSex
uk.gov.gchq.syntheticdatagenerator.types.Employee, 41
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 101
setSortCode
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 20
setState
uk.gov.gchq.syntheticdatagenerator.types.Address, 14
setStreetAddressNumber
uk.gov.gchq.syntheticdatagenerator.types.Address, 14
setStreetName
uk.gov.gchq.syntheticdatagenerator.types.Address, 14
setSubject
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 102
setTaxCode

uk.gov.gchq.syntheticdatagenerator.types.Employee, 41
setType
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 83
setUid
uk.gov.gchq.syntheticdatagenerator.types.Employee, 41
uk.gov.gchq.syntheticdatagenerator.types.Manager, 48
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 102
setWorkLocation
uk.gov.gchq.syntheticdatagenerator.types.Employee, 41
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 102
setWorkLocationName
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 108
setZipCode
uk.gov.gchq.syntheticdatagenerator.types.Address, 14
SEVILLA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 114
SIBLING
uk.gov.gchq.syntheticdatagenerator.types.Relation, 85
SIERRA_LEONEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SINGAPOREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 75
SISTEMAS_DE_INFORMACION_CONTABLE
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
SISTEMAS_EMPOTRADOS
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
SISTEMAS_INTELIGENTES
uk.gov.gchq.syntheticdatagenerator.types.Subject, 91
SISTEMAS_Y_TECNOLOGIAS_WEB
uk.gov.gchq.syntheticdatagenerator.types.Subject, 92
SLOVAK
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SLOVENIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SOCIAL_SCIENCES
uk.gov.gchq.syntheticdatagenerator.types.Department, 26
SOLOMON_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SOMALI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SOUTH_AFRICAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SOUTH_KOREAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SOUTH_SUDANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SPANISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 76
SRI_LANKAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
ST_HELENIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
ST_LUCIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
STATELESS
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
SUDANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
SURINAMESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
SWAZI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
SWEDISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 77
SWISS
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
SYRIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78

TAIWANESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
TAJIK
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
TANZANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
TARRAGONA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 114

TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_ORGANIZACIONES
uk.gov.gchq.syntheticdatagenerator.types.Subject, 92
THAI
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
TOGOLESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
TOLEDO
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 114
TONGAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 78
toString
uk.gov.gchq.syntheticdatagenerator.types.Address, 15
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 20
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 30
uk.gov.gchq.syntheticdatagenerator.types.Employee, 42
uk.gov.gchq.syntheticdatagenerator.types.Manager, 48
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 84
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 103
uk.gov.gchq.syntheticdatagenerator.types.UserId, 106
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 108
TOURISM
uk.gov.gchq.syntheticdatagenerator.types.Department, 27
TRINIDADIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TRISTANIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TUNISIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TURKISH
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TURKMEN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TURKS_AND_CAICOS_ISLANDER
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
TUVALUAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
UGANDAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 79
uk.gov.gchq.syntheticdatagenerator, 9
uk.gov.gchq.syntheticdatagenerator.CreateData, 21
createDaemonThreadFactory, 21
main, 21
uk.gov.gchq.syntheticdatagenerator.CreateDataFile, 21
call, 23
CreateDataFile, 22
getExtensionByGuava, 23
uk.gov.gchq.syntheticdatagenerator.serialise, 9
uk.gov.gchq.syntheticdatagenerator.serialise.AvroSerialiser< O >, 15
AvroSerialiser, 17
deserialise, 17
getDomainClass, 17
serialise, 18
uk.gov.gchq.syntheticdatagenerator.serialise.Serialiser< I >, 86
deserialise, 86
getClassName, 87
serialise, 87
setClassName, 87
uk.gov.gchq.syntheticdatagenerator.types, 10
uk.gov.gchq.syntheticdatagenerator.types.Address, 11
generate, 12
getCity, 12
getState, 12
getStreetAddressNumber, 13
getStreetName, 13
getZipCode, 13
setCity, 13
setState, 14
setStreetAddressNumber, 14
setStreetName, 14
setZipCode, 14
toString, 15
uk.gov.gchq.syntheticdatagenerator.types.BankDetails, 18
generate, 19
getAccountNumber, 19
getSortCode, 19
setAccountNumber, 20
setSortCode, 20
toString, 20
uk.gov.gchq.syntheticdatagenerator.types.Department, 24
BUSINESS, 25
COMMUNICATION, 25
ECONOMICS, 25
EDUCATION, 25
generate, 24
HEALTH_SCIENCES, 25
HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING, 25
HIGHER_POLYTECHNIC_SCHOOL_OF_ENGINEERING_AND_TEC 26

HUMANITIES, 26
LAW, 26
POLITICAL_SCIENCES, 26
SCHOOL_DOCTORAL_AND_GRADUATES_STUDIES, 26
SCIENCES, 26
SOCIAL_SCIENCES, 26
TOURISM, 27
uk.gov.gchq.syntheticdatagenerator.types.EmergencyContact, 27
generate, 28
generateMany, 28
getContactName, 28
getContactNumbers, 29
getRelation, 29
setContactName, 29
setContactNumbers, 29
setRelation, 30
toString, 30
uk.gov.gchq.syntheticdatagenerator.types.Employee, 30
generate, 32
generateUID, 32
getAddress, 33
getBankDetails, 33
getContactNumbers, 33
getDateOfBirth, 33
getDepartment, 34
getEmergencyContacts, 34
getGrade, 34
getHireDate, 34
getManager, 35
getName, 35
getNationality, 35
getSalaryAmount, 35
getSalaryBonus, 36
getSex, 36
getTaxCode, 36
getUid, 36
getWorkLocation, 37
setAddress, 37
setBankDetails, 37
setContactNumbers, 38
setDateOfBirth, 38
setDepartment, 38
setEmergencyContacts, 38
setGrade, 39
setHireDate, 39
setManager, 39
setName, 39
setNationality, 40
setSalaryAmount, 40
setSalaryBonus, 40
setSex, 41
setTaxCode, 41
setUid, 41
setWorkLocation, 41
toString, 42
uk.gov.gchq.syntheticdatagenerator.types.Grade, 42
generate, 42
GRADE_1, 43
GRADE_2, 43
GRADE_3, 43
GRADE_4, 43
GRADE_5, 43
GRADE_6, 43
GRADE_7, 44
GRADE_8, 44
uk.gov.gchq.syntheticdatagenerator.types.Manager, 44
generate, 45
generateMany, 45
generateRecursive, 46
getManager, 46
getManagerType, 46
getUid, 47
setManager, 47
setManagerType, 47
setUid, 48
toString, 48
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 48
AFGHAN, 53
ALBANIAN, 53
ALGERIAN, 53
AMERICAN, 53
ANDORRAN, 54
ANGOLAN, 54
ANGUILLAN, 54
ARGENTINE, 54
ARMENIAN, 54
AUSTRALIAN, 54
AUSTRIAN, 54
AZERBAIJANI, 54
BAHAMIAN, 55
BAHRAINI, 55
BANGLADESHI, 55
BARBADIAN, 55
BELARUSIAN, 55
BELGIAN, 55
BELIZEAN, 55
BENINESE, 55
BERMUDIAN, 56
BHUTANESE, 56
BOLIVIAN, 56
BOTSWANAN, 56
BRAZILIAN, 56
BRITISH, 56
BRITISH_VIRGIN_ISLANDER, 56
BRUNEIAN, 56
BULGARIAN, 57
BURKINAN, 57
BURMESE, 57
BURUNDIAN, 57
CAMBODIAN, 57
CAMEROONIAN, 57
CANADIAN, 57
CAPE_VERDEAN, 57

CAYMAN_ISLANDER, 58
CENTRAL_AFRICAN, 58
CHADIAN, 58
CHILEAN, 58
CHINESE, 58
CITIZEN_OF_ANTIGUA_AND_BARBUDA, 58
CITIZEN_OF_BOSNIA_AND_HERZEGOVINA, 58
CITIZEN_OF_GUINEA_BISSAU, 58
CITIZEN_OF_KIRIBATI, 59
CITIZEN_OF_SEYCHELLES, 59
CITIZEN_OF_THE_DOMINICAN_REPUBLIC, 59
CITIZEN_OF_VANUATU, 59
COLOMBIAN, 59
COMORAN, 59
CONGOLESE, 59
COOK_ISLANDER, 59
COSTA_RICAN, 60
CROATIAN, 60
CUBAN, 60
CYMRAES, 60
CYMRO, 60
CYPRIOT, 60
CZECH, 60
DANISH, 60
DJIBOUTIAN, 61
DOMINICAN, 61
DUTCH, 61
EAST_TIMORESE, 61
ECUADOREAN, 61
EGYPTIAN, 61
EMIRATI, 61
ENGLISH, 61
EQUATORIAL_GUINEAN, 62
ERITREAN, 62
ESTONIAN, 62
ETHIOPIAN, 62
FAROESE, 62
FIJIAN, 62
FILIPINO, 62
FINNISH, 62
FRENCH, 63
GABONESE, 63
GAMBIAN, 63
generate, 53
GEORGIAN, 63
GERMAN, 63
GHANAIAN, 63
GIBRALTARIAN, 63
GREEK, 63
GREENLANDIC, 64
GRENADIAN, 64
GUAMANIAN, 64
GUATEMALAN, 64
GUINEAN, 64
GUYANESE, 64
HAITIAN, 64
HONDURAN, 64
HONG_KONGER, 65
HUNGARIAN, 65
ICELANDIC, 65
INDIAN, 65
INDONESIAN, 65
IRANIAN, 65
IRAQI, 65
IRISH, 65
ISRAELI, 66
ITALIAN, 66
IVORIAN, 66
JAMAICAN, 66
JAPANESE, 66
JORDANIAN, 66
KAZAKH, 66
KENYAN, 66
KITTITIAN, 67
KOSOVAN, 67
KUWAITI, 67
KYRGYZ, 67
LAO, 67
LATVIAN, 67
LEBANESE, 67
LIBERIAN, 67
LIBYAN, 68
LIECHTENSTEIN_CITIZEN, 68
LITHUANIAN, 68
LUXEMBOURGER, 68
MACANESE, 68
MACEDONIAN, 68
MALAGASY, 68
MALAWIAN, 68
MALAYSIAN, 69
MALDIVIAN, 69
MALIAN, 69
MALTESE, 69
MARSHALLESE, 69
MARTINIQUAIS, 69
MAURITANIAN, 69
MAURITIAN, 69
MEXICAN, 70
MICRONESIAN, 70
MOLDOVAN, 70
MONEGASQUE, 70
MONGOLIAN, 70
MONTENEGRIN, 70
MONTSERRATIAN, 70
MOROCCAN, 70
MOSOTHO, 71
MOZAMBICAN, 71
NAMIBIAN, 71
NAURUAN, 71
NEPALESE, 71
NEW_ZEALANDER, 71
NICARAGUAN, 71
NIGERIAN, 71
NIGERIEN, 72
NIUEAN, 72
NORTH_KOREAN, 72

NORTHERN_IRISH, 72
NORWEGIAN, 72
OMANI, 72
PAKISTANI, 72
PALAUAN, 72
PALESTINIAN, 73
PANAMANIAN, 73
PAPUA_NEW_GUINEAN, 73
PARAGUAYAN, 73
PERUVIAN, 73
PITCAIRN_ISLANDER, 73
POLISH, 73
PORTUGUESE, 73
PRYDEINIG, 74
PUERTO_RICAN, 74
QATARI, 74
ROMANIAN, 74
RUSSIAN, 74
RWANDAN, 74
SALVADOREAN, 74
SAMMARINESE, 74
SAMOAN, 75
SAO_TOMEAN, 75
SAUDI_ARABIAN, 75
SCOTTISH, 75
SENEGALESE, 75
SERBIAN, 75
SIERRA_LEONEAN, 75
SINGAPOREAN, 75
SLOVAK, 76
SLOVENIAN, 76
SOLOMON_ISLANDER, 76
SOMALI, 76
SOUTH_AFRICAN, 76
SOUTH_KOREAN, 76
SOUTH_SUDANESE, 76
SPANISH, 76
SRI_LANKAN, 77
ST_HELENIAN, 77
ST_LUCIAN, 77
STATELESS, 77
SUDANESE, 77
SURINAMESE, 77
SWAZI, 77
SWEDISH, 77
SWISS, 78
SYRIAN, 78
TAIWANESE, 78
TAJIK, 78
TANZANIAN, 78
THAI, 78
TOGOLESE, 78
TONGAN, 78
TRINIDADIAN, 79
TRISTANIAN, 79
TUNISIAN, 79
TURKISH, 79
TURKMEN, 79
TURKS_AND_CAICOS_ISLANDER, 79
TUVALUAN, 79
UGANDAN, 79
UKRAINIAN, 80
URUGUAYAN, 80
UZBEK, 80
VATICAN_CITIZEN, 80
VENEZUELAN, 80
VIETNAMESE, 80
VINCENTIAN, 80
WALLISIAN, 80
WELSH, 81
YEMENI, 81
ZAMBIAN, 81
ZIMBABWEAN, 81
uk.gov.gchq.syntheticdatagenerator.types.PhoneNumber, 81
generate, 82
generateMany, 82
getPhoneNumber, 83
getType, 83
setPhoneNumber, 83
setType, 83
toString, 84
uk.gov.gchq.syntheticdatagenerator.types.Relation, 84
CHILDREN, 85
COUSIN, 85
generate, 84
GRANDPARENT, 85
PARENT, 85
SIBLING, 85
uk.gov.gchq.syntheticdatagenerator.types.Sex, 88
FEMALE, 88
generate, 88
MALE, 88
NOT_KNOWN, 88
NOT_SPECIFIED, 89
uk.gov.gchq.syntheticdatagenerator.types.Subject, 89
ARQUITECTURAS_AVANZADAS_Y_DE_PROPOSITO_ESPECIFIC 90
COMPLEJIDAD_COMPUTACIONAL, 90
DESARROLLO_Y_MANTENIMENTO_DE_SISTEMAS_DE_INFORM 90
generate, 89
GESTION_DE_LA_INNOVACION, 90
GESTION_DEL_CONOCIMIENTO_EN_LAS_ORGANIZACIONES, 90
INGENIERIA_LOGISTICA, 90
INTERFACES_INTELIGENTES, 91
LABORATORIO_DE_DESARROLLO_Y_HERRAMIENTAS, 91
NORMATIVA_Y_REGULACION, 91
ROBOTICA_COMPUTACIONAL, 91
SEGURIDAD_DE_SISTEMAS_INFORMATICOS, 91
SISTEMAS_DE_INFORMACION_CONTABLE, 91
SISTEMAS_EMPOTRADOS, 91
SISTEMAS_INTELIGENTES, 91

SISTEMAS_Y_TECNOLOGIAS_WEB, 92
TECNOLOGIAS_DE_LA_INFORMACION_PARA_LAS_ORGANIZACIONES, 92
VISION_POR_COMPUTADOR, 92
uk.gov.gchq.syntheticdatagenerator.types.Teacher, 92
generate, 94
generateUID, 94
getAddress, 95
getContactNumbers, 95
getDateOfBirth, 95
getDepartment, 95
getEmergencyContacts, 96
getHireDate, 96
getManager, 96
getName, 96
getNationality, 97
getSalaryAmount, 97
getSalaryBonus, 97
getSex, 97
getSubject, 98
getUid, 98
getWorkLocation, 98
setAddress, 98
setContactNumbers, 99
setDateOfBirth, 99
setDepartment, 99
setEmergencyContacts, 99
setHireDate, 100
setManager, 100
setName, 100
setNationality, 101
setSalaryAmount, 101
setSalaryBonus, 101
setSex, 101
setSubject, 102
setUid, 102
setWorkLocation, 102
toString, 103
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker, 103
getFaker, 103
unloadFaker, 104
unloadRandom, 104
uk.gov.gchq.syntheticdatagenerator.types.UserId, 104
equals, 105
getId, 105
hashCode, 105
id, 105
setId, 106
toString, 106
UserId, 105
uk.gov.gchq.syntheticdatagenerator.types.WorkLocation, 106
generate, 107
getAddress, 107
getWorkLocationName, 107
setAddress, 108
setWorkLocationName, 108
toString, 108
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName, 109
ADEJE, 110
ALBACETE, 110
ALICANTE, 110
ALMERIA, 110
ARRECIFE, 110
BARCELONA, 110
BILBAO, 111
BURGOS, 111
CADIZ, 111
CORDOBA, 111
generate, 109
GETAFE, 111
GIJON, 111
GRANADA, 111
HUELVA, 111
JEREZ_DE_LA_FRONTERA, 112
LAS_PALMAS_DE_GRAN_CANARIA, 112
MADRID, 112
MALAGA, 112
MARBELLA, 112
MURCIA, 112
PALMA_DE_MALLORCA, 112
PAMPLONA, 112
PUERTO_DE_LA_CRUZ, 113
PUERTO_DEL_ROSARIO, 113
SALAMANCA, 113
SAN_CRISTOBAL_DE_LA_LAGUNA, 113
SAN_SEBASTIAN, 113
SAN_SEBASTIAN_DE_LA_GOMERA, 113
SANTA_CRUZ_DE_TENERIFE, 113
SANTANDER, 113
SEVILLA, 114
TARRAGONA, 114
TOLEDO, 114
VALENCIA, 114
VALLADOLID, 114
VIGO, 114
VITORIA, 114
ZARAGOZA, 114
uk.gov.gchq.syntheticdatagenerator.utils, 10
uk.gov.gchq.syntheticdatagenerator.utils.DateHelper, 23
generateDateOfBirth, 23
generateHireDate, 24
UKRAINIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 80
unloadFaker
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker, 104
unloadRandom
uk.gov.gchq.syntheticdatagenerator.types.ThreadLocalFaker, 104
URUGUAYAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality, 80

UserId
uk.gov.gchq.syntheticdatagenerator.types.UserId,
105
UZBEK
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80

VALENCIA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName,
114
VALLADOLID
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName,
114
VATICAN_CITIZEN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80
VENEZUELAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80
VIETNAMESE
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80
VIGO
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName,
114
VINCENTIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80
VISION_POR_COMPUTADOR
uk.gov.gchq.syntheticdatagenerator.types.Subject,
92
VITORIA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName,
114

WALLISIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
80
WELSH
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
81

YEMENI
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
81

ZAMBIAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
81
ZARAGOZA
uk.gov.gchq.syntheticdatagenerator.types.WorkLocationName,
114
ZIMBABWEAN
uk.gov.gchq.syntheticdatagenerator.types.Nationality,
81