Documentation file

Module Name	Input parameter	Output parameter	Description	Team member
JobTrack:	-title (String) description(String): -requiredSkills (List<String>): List -averageSalary (double):	Getters for title, description, requiredSkills, and averageSalary	Represents a general computer science job track with basic attributes.	Fatma ehab
SoftwareDeveloper:	-Inherits from JobTrack. -developmentLanguages (List<String>) developmentFrameworks (List<String>)	Inherits getters from JobTrack Getters for developmentLanguages and developmentFrameworks.	Represents a software developer job track with language and framework details.	Fatma ehab

DataScientist:	Inherits from JobTrack machineLearningAlgorithms (List<String>) dataAnalysisTools (List<String>)	Inherits getters from JobTrack Getters for machineLearningAlgorithms and dataAnalysisTools.	Represents a data scientist job track with specific algorithm and tool details.	Fatma ehab

NetworkEngineer:	Inherits from JobTrack. networkProtocols (List<String>) securityConfigurationTools (List<String>)	Inherits getters from JobTrack. Getters for networkProtocols and securityConfigurationTools	Represents a network engineer job track with protocol and securitytool details.	Fatma ehab
CybersecurityAnalyst:	Inherits from JobTrack. vulnerabilityAssessmentTools (List<String>) threatDetectionTechniques (List<String>)	Inherits getters from JobTrack. Getters for vulnerabilityAssessmentTools and threatDetectionTechniques	Represents a cybersecurity analyst job track with specific tool and technique details.	Fatma ehab

WebDeveloper:	inherits from JobTrack. frontEndTechnologies (List<String>) backEndTechnologies (List<String>)	Inherits getters from JobTrack. Getters for frontEndTechnologies and backEndTechnologies.	Represents a web developer job track with front-end and back-end technology details.	Aliaa Nabil
MobileDeveloper	Inherits from JobTrack. platform (String) developmentFrameworks (List<String>)	inherits getters from JobTrack. Getters for platform and developmentFrameworks	Represents a mobile developer job track with platform and framework details.	Aliaa Nabil

GameDeveloper:	Inherits from JobTrack. gameEngine (String) developmentTools (List<String>)	Inherits getters from JobTrack. Getters for gameEngine and developmentTools.	Represents a game developer job track with game engine and tool details.	Aliaa Nabil

UserExperienceDesigner:	Inherits from JobTrack. designPrinciples (List<String>) userResearchMethodologies (List<String>)	Inherits getters from JobTrack. Getters for designPrinciples and userResearchMethodologies	Represents a user experience designer job track with design principles and research methodologies.	Aliaa Nabil

TechnicalWriter:	Inherits from JobTrack. documentationStandards (List<String>) communicationSkills (List<String>	Inherits getters from JobTrack. Getters for documentationStandards and communicationSkills	Represents a technical writer job track with documentation and communication skill details.	Aliaa Nabil

UML Design:

Software Engineer

- developmentLanguages : List<String>
- developmentFrameworks : List<String>

+ getDevelopmentLanguages
+ setDevelopmentLanguages
+ getDevelopmentFrameworks
+ setDevelopmentFrameworks

JobTrack

- title : String
- description : String
- required skills : List<String>
- average Salary : Double

+ getTitle
+ setTitle
+ getDescription
+ setDescription
+ getRequiredSkills
+ setRequiredSkills
+ getAverageSalary
+ setAverageSalary

Technical Writer

- documentationStandards : List<String>
- communicationSkills : List<String>

+ getDocumentationStandards
+ setDocumentationStandards
+ getCommunicationSkills
+ setCommunicationSkills

Data Scientist

- machineLearningAlgorithms : List<String>
- dataAnalysisTools : List<String>

+ getMachineLearningAlgorithms
+ setMachineLearningAlgorithms
+ getDataAnalysisTools
+ setDataAnalysisTools

UX Designer

- designPrinciples : List<String>
- userResearchMethodologies : List <String>

+ getDesignPrinciples
+ setDesignPrinciples
+getUserResearchMethodologies
+setUserResearchMethodologies

Network Engineer

- networkProtocols : List<String>
- securityConfigurationTools : List<String>

+ getNetworkProtocols
+ setNetworkProtocol
+ getSecurityConfigurationTools
+setSecurityConfigurationTools

Game Develoer

- gameEngine : String
- developmentTools : List<String>

+ getGameEngine
+ setGameEngine
+ getDevelopmentTools
+ setDevelopmentTools

Cyber security Analyst

- vulnerabilityAssessmentTools : List<String>
- threatDetectionTechniques : List<String>

+getVulnerabilityAssessmentTools
+setVulnerabilityAssessmentTools
+getThreatDetectionTechniques
+setThreatDetectionTechniques

Web Develoer

- frontEndTechnologies : List<String>
- backEndTechnologies : List<String>

+ getFrontEndTechnologies
+ setFrontEndTechnologies
+ getBackEndTechnologies
+ setBackEndTechnologies

Mobile Developer

- platform : String
- developmentFrameworks : List<String>

+ getPlatform
+ setPlatform
+getDevelopmentFrameworks
+setDevelomentFrameworks