## **Enregistrement**

-Source: String -adresselp: String -userLogName: String -UserName: String

-Date: Date

-Destination: String

-Status: enum

-QteDonnes: Integer

-NavigateurClient: String

+GetSource(): String

+GetAdresseIP(): String

+GetUserLogName(): String

+GetUserName(): String

+GetDate(): Date

+GetTypeAction(): String

+GetDestination(): String

+GetStatus(): String

+GetQteDonnees(): String

+GetNavigateurClient(): String

# «singleton»

### GestionnaireFichier

-fichierEntree: static ifstream

+OuvrirFichier(string nomDeFichier)

+LireLigneSuivante(): Enregistrement

+LigneSuivanteExiste()

+GetInstance(): GestionnaireFichier

#### Noeud

-identifiant: String -pointeePar: Integer -Pointe: Integer

-Arretes: hashTable<Integer-Integer>

+AjouterArrete()

+IncrementePointeePar()

+GetIdentifiant(): String

+GetPointeePar(): Integer

+GetPointe(): Integer

+GetNbHits(Integer): Integer

### Graphe

-nbNoeuds: Integer-nbArretes: Integer

-Noeuds: hashTable<String-Noeud>

-tableCorrespondance: hashTable<String-Integer>

+AjouterNoeud()

+ExportGraph()

+ChargerGraphe()

+ChargerGrapheConditionnel(bool, bool, Integer)

+GenererTop10()