

SFWRENG 2XB3

Final Project: Path API Reference

Group 1

Harkeerat Kanwal, ...

400182343, ...

April 12, 2020

public class **Entry**

	Entry(String csvLine)	create entry from line of data (represents a collision)
String	toString()	get csv data line
int	getAttr(String attr)	get value of an attribute by name (eg. C_WTHR)
int	C_YEAR()	get value of C_YEAR
int	C_MNTH()	get value of C_MNTH
int	C_WDAY()	get value of C_WDAY
int	C_HOUR()	get value of C_HOUR
int	C_SEV()	get value of C_SEV
int	C_VEHS()	get value of C_VEHS
int	C_CONF()	get value of C_CONF
int	C_RCFG()	get value of C_RCFG
int	C_WTHR()	get value of C_WTHR
int	C_RSUR()	get value of C_RSUR
int	C_RALN()	get value of C_RALN
int	C_TRAF()	get value of C_TRAF
int	V_ID()	get value of V_ID
int	V_TYPE()	get value of V_TYPE
int	V_YEAR()	get value of V_YEAR

int	P_ID()	get value of P_ID
int	P_SEX()	get value of P_SEX
int	P_AGE()	get value of P_AGE
int	P_PSN()	get value of P_PSN
int	P_ISEV()	get value of P_ISEV
int	P_SAFE()	get value of P_SAFE
int	P_USER()	get value of P_USER
int	C_CASE()	get value of C_CASE

public class CollisionDatabase

	CollisionDatabase()	instantiate database and parse data
int	getNumEntries()	get total number of entries
int	getTotalSize()	get total combined size of hashmaps
String[]	getAttrs()	get attributes hashmaps are indexed by
ArrayList<Entry>	get(String attr, int val)	query for entries whose attr matches val
ArrayList<Entry>	get(String[] attrs, int[] vals)	query for entries whose attrs match vals
int	count(String attr, int val)	count number of entries that match query
int	count(String[] attr, int[] vals)	count number of entries that match query
double	count(String[] attr, int[] vals)	get number found entries as percentage