Database Project Name <u>Students and Classes</u>	Student Name Shane Thom
Table Name <u>students</u>	
Table Relates to other table(s):	

Related Field on this Table –	Related Field on other Related Field
use format: tablename.fieldname	use format: tablename.fieldname
student.student_id	studentsections.student_id

Field Name	Data (Column) Type	Length (# of Charac ters)	Null Y/N	Key (only if applicable)	Comment
student_id	int	11	N	Primary	Student Unique ID Number
first_name	char	30	N		First Name
last_name	char	30	N		Last Name
mi	char	1	Y		Middle Initial
address	char	55	N		Address
city	char	55	N		City
state	char	2	N		State
zip	char	5	N		Zip- note numeric data types are not used because you would lose numerically insignificant zeros
zip_plus_four	char	4	Y		Extended zip-note numeric data types are not used because you would lose numerically insignificant zeros
email	char	80	Y		e-mail address
phone	char	10	Y		Phone number
dob	char	8	N		Date of birth – note numeric data types are not used because you would lose numerically insignificant zeros
ssn	char	9	N		Social Security Number – note this is not a number data type because that would cut off any leading zeros

Database Project Name <u>Students and Classes</u>	Student Name_	Shane Thomas
Table Name <u>classes</u>		
Table Relates to other table(s):		

Related Field on this Table –	Related Field on other Related Field
use format: tablename.fieldname	use format: tablename.fieldname
classes.class_id	sections.class_id

Field Name	Data (Column) Type	Length (# of Charac ters)	Null Y/N	Key (only if applicable)	Comment
class_id	int	11	N	Primary	Class Unique ID Number
class_name	char	80	N		Class Name
class_num	char	8	N		Class Catalog Number
description	char	255	N		Brief Class Description
units	tinyint	2	N		Number of units class is worth
lab_hours	tinyint	2	N		Number of Lab Hours
lecture_hours	tinyint	2	N		Number of Lecture Hours

Database Project Name <u>Students and Classes</u>	Student Name	Shane Thomas
Table Name <u>sections</u>		
Table Relates to other table(s):		

Related Field on this Table –	Related Field on other Related Field
use format: tablename.fieldname	use format: tablename.fieldname
sections.section_id	studentsections.section_id
sections.class_id	classes.class_id
sections.term_id	term.term_id

Field Name	Data (Column) Type	Length (# of Charac ters)	Null Y/N	Key (only if applicable)	Comment
section_id	int	11	N	Primary	Section Unique ID Number
class_id	int	11	N	Foreign	Class ID relation Foreign Key
term_id	int	11	N	Foreign	Term Relation Foreign Key
sdate	char	8	N		Section Start Date
edate	char	8	N		Section End Date
section_number	char	4	N		Section Number used by School

Database Project Name <u>Students and Classes</u>	Student Name Shane Thomas
Table Name <u>term</u>	
Table Relates to other table(s):	

Related Field on this Table –	Related Field on other Related Field
use format: tablename.fieldname	use format: tablename.fieldname
term.term_id	sections.term_id

Field Name	Data (Column) Type	Length (# of Charac ters)	Null Y/N	Key (only if applicable)	Comment
term_id	int	11	N	Primary	Term Unique ID Number
year	char	4	N		Year
semester	char	15	N		Semester

Database Project Name Students and Classes	Student Name Shane Thomas
Table Name <u>studentsections</u>	
Table Relates to other table(s):	

Related Field on this Table –	Related Field on other Related Field		
use format: tablename.fieldname	use format: tablename.fieldname		
studentsections.student_id	students.student_id		
studentsections.section_id	section.section_id		

Field Name	Data (Column) Type	Length (# of Charac ters)	Null Y/N	Key (only if applicable)	Comment
studentsection_id	int	11	N	Primary	Student Unique ID Number
student_id	int	11	N	Foreign	Relation to Students table
section_id	int	11	N	Foreign	Relation to Sections table
date_enrolled	timestamp	0	N		Automatic MySQL create timestamp

The diagram of this database would look like this:							

