ProjectPart1

(a)

Entity name	Description	Aliases	Occurrence
Department	The information pertaining to the department name and chair name, as well as the number of faculty members the department has. Department names must always start with Department.	Department	The university encompasses multiple departments, each of which has a chair.
Student	The name and initials of a student are stored. Initials must be more than one character long.	Student	The university has numerous students and each of them has declared at least one major.
Major	The name and initials of a student are stored. Initials must be more than one character long.	Major	For each major, the university wants to store the major name, the department it is associated with, and a code.
Event	In addition to the event name, the university would like to store the start and end dates of the event.	Event	Each department has the possibility of hosting events, and an event can be (collaboratively) hosted by one or more departments. I

(b)

Entity name	Multiplicity	Relationship	Multiplicity	Entity name
Department	1..*	Host	0..*	Event
Student	1..*	Declared	1..*	Major
	1..*	Attend	1..*	Event
Major	1..*	Associate	1..1	Department
Event	1..*	Comprise	1..*	Student

(c) & (d) & (e)

Entity name	Attributes	Description	DataType&Length	Nulls	Multi_valued
Department	DName {PK}	Name of Department	20 varchar	No	No
	CName	Name of chair of department	20 varchar	No	No
	FNumber	Number of faculty in department	20 varchar	No	No
Student	Student_id {PK}	Id of student	20 int	No	No
	SName	Name of student	20 varchar	No	No
	SInitials	Initial of student	20 varchar	No	No
Major	Mname {PK}	Name of Major	20 varchar	No	No
	Mcode	Code of Major	20 varchar	No	No
Event	EName {PK}	Name for the event	20 varchar	No	No
	SDate	Start date for the event	date	No	No
	EDate	End date for the event	date	No	No

(f)