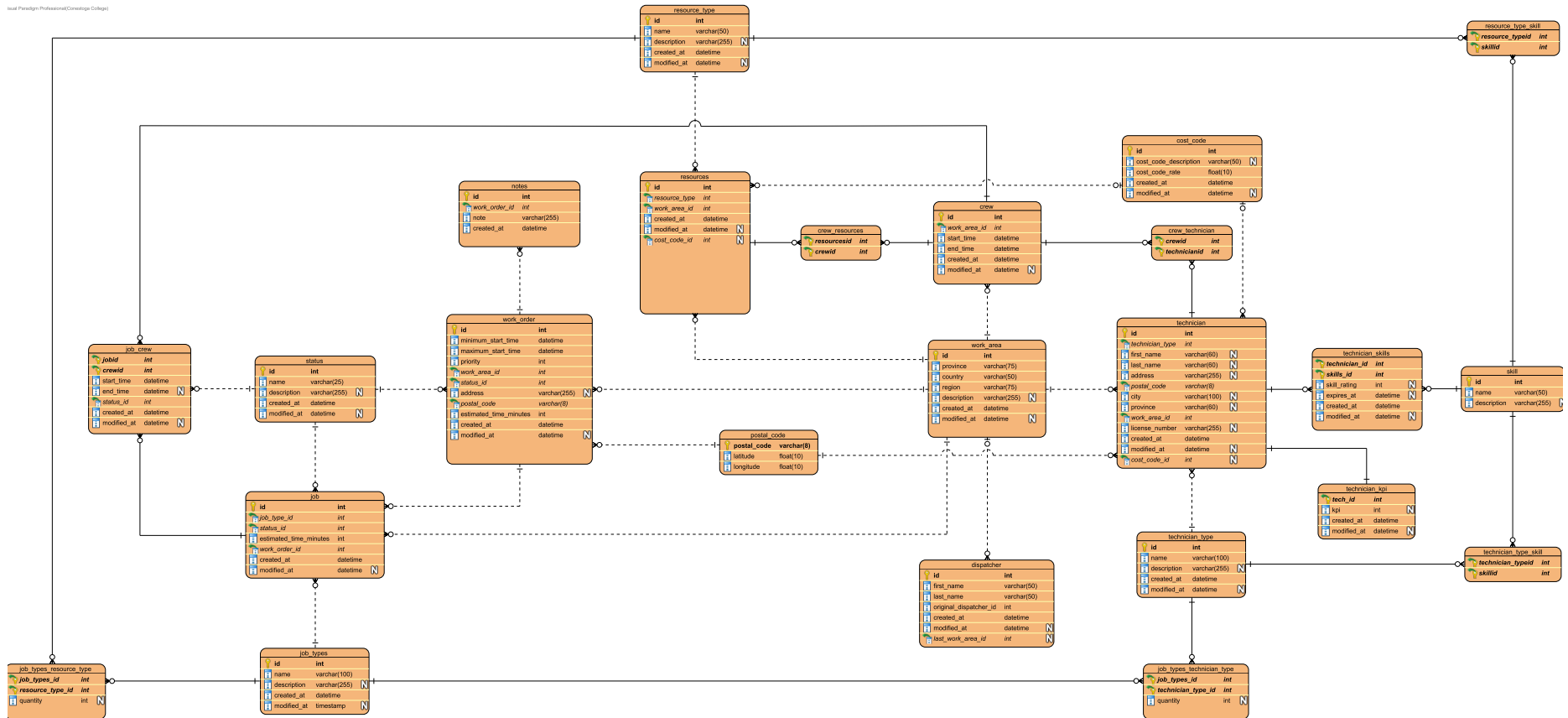

























1. Iteration 3




















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

































This diagram is modeling the version one database

2. Data Dictionary






















Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
 cost_code		 cost_code_description		varchar	50	false	true	false
		 cost_code_rate		float	10	false	false	false
		 created_at		datetime	0	false	false	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
 crew		 created_at		datetime	0	false	false	false
		 end_time		datetime	0	false	false	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
		 start_time		datetime	0	false	false	false
		 work_area_id		int	0	false	false	false
 crew_resources		 crewid		int	0	true	false	false
		 resourcesid		int	0	true	false	false
 crew_technician		 crewid		int	0	true	false	false
		 technicianid		int	0	true	false	false
 dispatcher		 created_at		datetime	0	false	false	false
		 first_name		varchar	50	false	false	false
		 id		int	0	true	false	false





















Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
		 created_at		datetime	0	false	false	false
		 last_name		varchar	50	false	false	false
		 last_work_area_id		int	0	false	true	false
		 modified_at		datetime	0	false	true	false
		 original_dispatcher_id		int	0	false	false	false
 job		 created_at		datetime	0	false	false	false
		 estimated_time_minutes		int	0	false	false	false
		 id		int	0	true	false	false
		 job_type_id		int	0	false	false	false
		 modified_at		datetime	0	false	true	false
		 status_id		int	0	false	false	false
		 work_order_id		int	0	false	false	false
 job_crew		 created_at		datetime	0	false	false	false
		 crewid		int	0	true	false	false
		 end_time		datetime	0	false	true	false
		 jobid		int	0	true	false	false
		 modified_at		datetime	0	false	true	false





Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
		 created_at		datetime	0	false	false	false
		 start_time		datetime	0	false	false	false
		 status_id		int	0	false	false	false
 job_types		 created_at		datetime	0	false	false	false
		 description		varchar	255	false	true	false
		 id		int	0	true	false	false
		 modified_at		timestamp	0	false	true	false
		 name		varchar	100	false	false	false
 job_types_resource_type		 job_types_id		int	0	true	false	false
		 quantity		int	0	false	true	false
		 resource_type_id		int	0	true	false	false
 job_types_technician_type		 job_types_id		int	0	true	false	false
		 quantity		int	0	false	true	false
		 technician_type_id		int	0	true	false	false
 notes		 created_at		datetime	0	false	false	false
		 id		int	0	true	false	false
		 note		varchar	255	false	false	false
		 work_order_id		int	0	false	false	false

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
 postal_code		 latitude		float	10	false	false	false
		 longitude		float	10	false	false	false
		 postal_code		varchar	8	true	false	false
 resource_type		 created_at		datetime	0	false	false	false
		 description		varchar	255	false	true	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
		 name		varchar	50	false	false	false
 resource_type_skill		 resource_type_id		int	0	true	false	false
		 skill_id		int	0	true	false	false
 resources		 cost_code_id		int	0	false	true	false
		 created_at		datetime	0	false	false	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
		 resource_type_id		int	0	false	false	false
		 work_area_id		int	0	false	false	false
 skill		 description		varchar	255	false	true	false
		 id		int	0	true	false	false

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
<div> <div></div> <div>status</div> </div>		<div></div> description		varchar	255	false	true	false
		<div></div> name		varchar	50	false	false	false
		<div></div> created_at		datetime	0	false	false	false
		<div></div> description		varchar	255	false	true	false
		<div></div> id		int	0	true	false	false
		<div></div> modified_at		datetime	0	false	true	false
		<div></div> name		varchar	25	false	false	false
<div> <div></div> <div>technician</div> </div>		<div></div> address		varchar	255	false	true	false
		<div></div> city		varchar	100	false	true	false
		<div></div> cost_code_id		int	0	false	true	false
		<div></div> created_at		datetime	0	false	false	false
		<div></div> first_name		varchar	60	false	true	false
		<div></div> id		int	0	true	false	false
		<div></div> last_name		varchar	60	false	true	false
		<div></div> license_number		varchar	255	false	true	false
		<div></div> modified_at		datetime	0	false	true	false
		<div></div> postal_code		varchar	8	false	false	false
		<div></div> province		varchar	60	false	true	false

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
		 address		varchar	255	false	true	false
		 technician_type		int	0	false	false	false
		 work_area_id		int	0	false	false	false
 technician_kpi		 created_at		datetime	0	false	false	false
		 kpi		int	0	false	true	false
		 modified_at		datetime	0	false	true	false
		 tech_id		int	0	true	false	false
 technician_skills		 created_at		datetime	0	false	false	false
		 expires_at		datetime	0	false	true	false
		 modified_at		datetime	0	false	true	false
		 skill_rating		int	0	false	true	false
		 skills_id		int	0	true	false	false
		 technician_id		int	0	true	false	false
 technician_type		 created_at		datetime	0	false	false	false
		 description		varchar	255	false	true	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
		 name		varchar	100	false	false	false

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
 technician_type_skill		 skillid		int	0	true	false	false
		 technician_typeid		int	0	true	false	false
 work_area		 country		varchar	50	false	false	false
		 created_at		datetime	0	false	false	false
		 description		varchar	255	false	true	false
		 id		int	0	true	false	false
		 modified_at		datetime	0	false	true	false
		 province		varchar	75	false	false	false
		 region		varchar	75	false	false	false
 work_order		 address		varchar	255	false	true	false
		 created_at		datetime	0	false	false	false
		 estimated_time_minutes		int	0	false	false	false
		 id		int	0	true	false	false
		 maximum_start_time		datetime	0	false	false	false
		 minimum_start_time		datetime	0	false	false	false
		 modified_at		datetime	0	false	true	false
		 postal_code		varchar	8	false	false	false

Entity Name	Entity Description	Column Name	Column Description	Data Type	Length	Primary Key	Nullable	Unique
		 address		varchar	255	false	true	false
		 priority		int	0	false	false	false
		 status_id		int	0	false	false	false
		 work_area_id		int	0	false	false	false