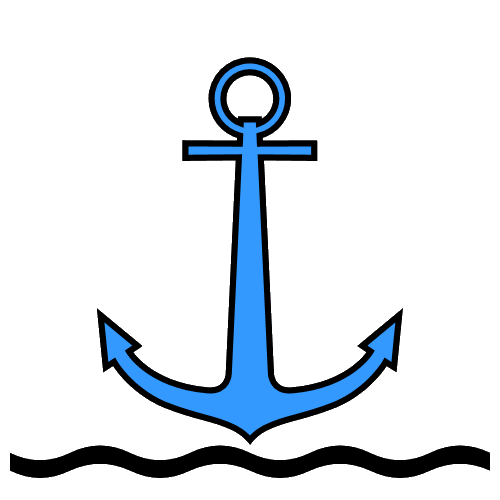
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**STEVE’S CRUISE LINE**

**PASSENGER RESERVATION APPLICATION & CRUISE CONTROL SYSTEM**

Final Report

Prepared for

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**SECTION I: Project Assumptions and Company Policies**

For this project, we are making the assumption that we are an in-house development team working directly inside the STEVE’S CRUISE LINES, and therefore have input/and or direct control of the company’s internal policies.

**Room Policies and Pricing**

It is the policy of STEVE’S CRUISE LINES that no more than 4 people are permitted in a single room. There are three types of rooms: Inside, Ocean View, and Balcony.

**Monetary Policies**

STEVE’S CRUISE LINES has a uniform policy when it comes to all monies onboard the ships.

* All currency is in US Dollars (USD).
* Passengers are first charged when they first reserve rooms before the trip. A single passenger in each room is designated as the bill holder, who is charged at the end of the trip for all items purchased while on the trip.
* Taxes are included in all item prices.
* Any tips that a passenger wishes to give to staff is kept by the said staff in full.

**SECTION II: Database Design**

Our database for this system has a total of 28 tables, which contains everything from passenger information to the drink inventory of each ship.

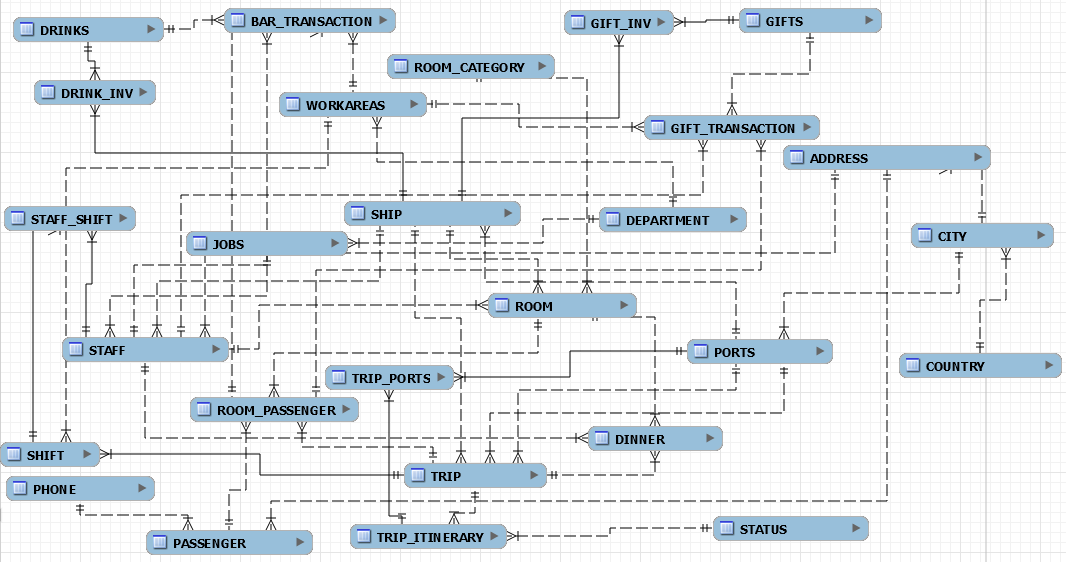
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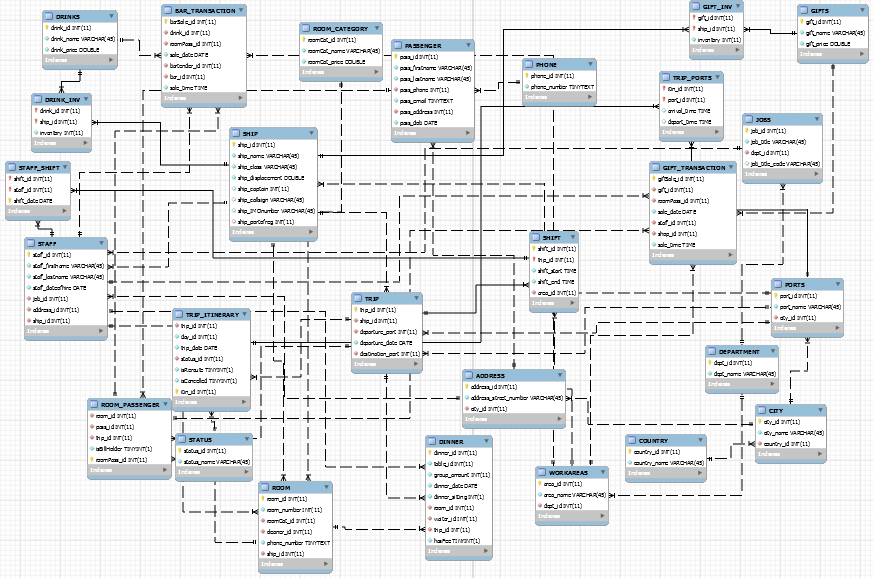
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Password: f2016\_s1\_user16

ERD (collapsed)



ERD (expanded)



**SECTION III: System Description and Manual**

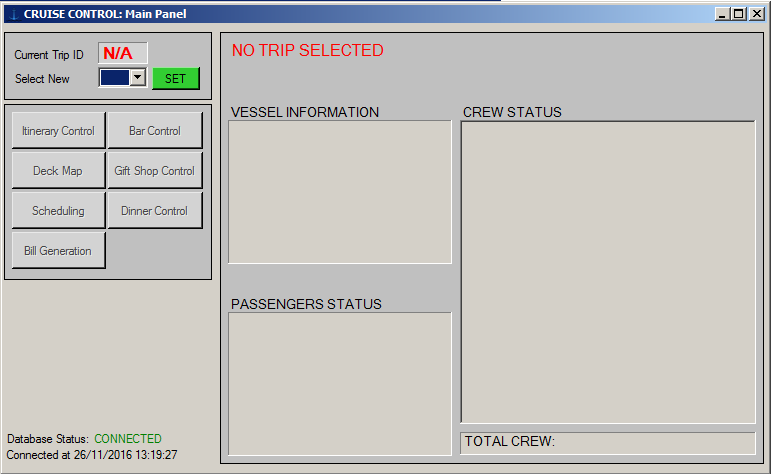
Our system consists of two programs: a reservation program intended for customers/passengers, and a CRUISE CONTROL which is a shipboard control program intended for the crew.

**Reservation Program**

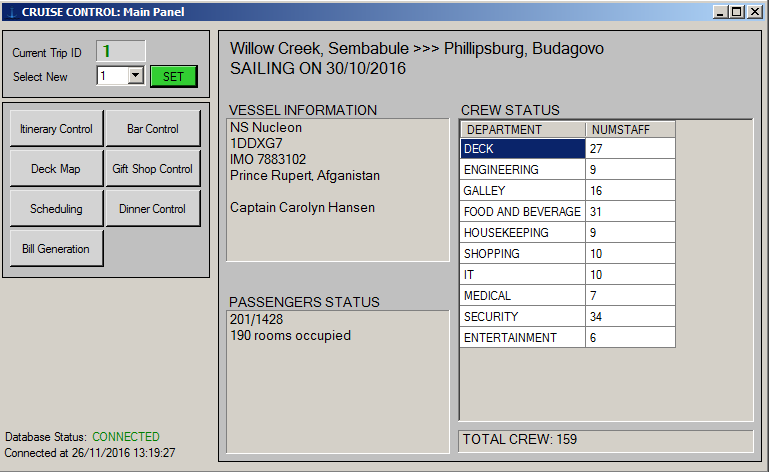
This program allows the user (in this case a customer) to book a room aboard a cruise. They are able to select a trip from a menu, and then will be prompted to enter their details.

**CRUISE CONTROL Program**

This program is intended for crew members of the ship to manage the functions of several areas of the ship. When the program first starts up, they will see the main control form. Note the lack of trip information.

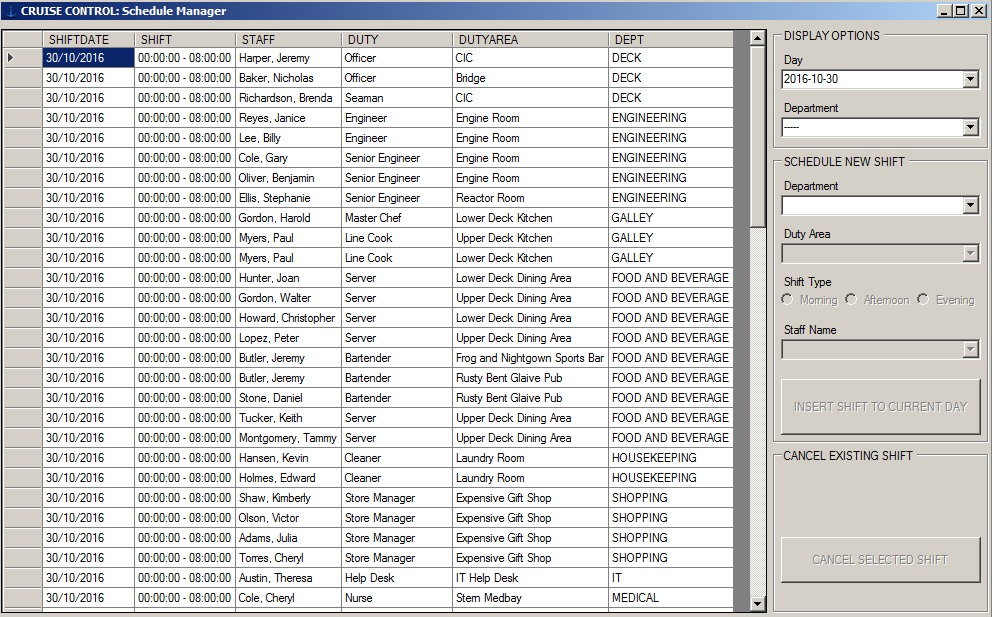


The user then uses the upper left controls to select a trip by its identification number. Information about the trip will then show itself on the right side, and the button controls on the left will become enabled.

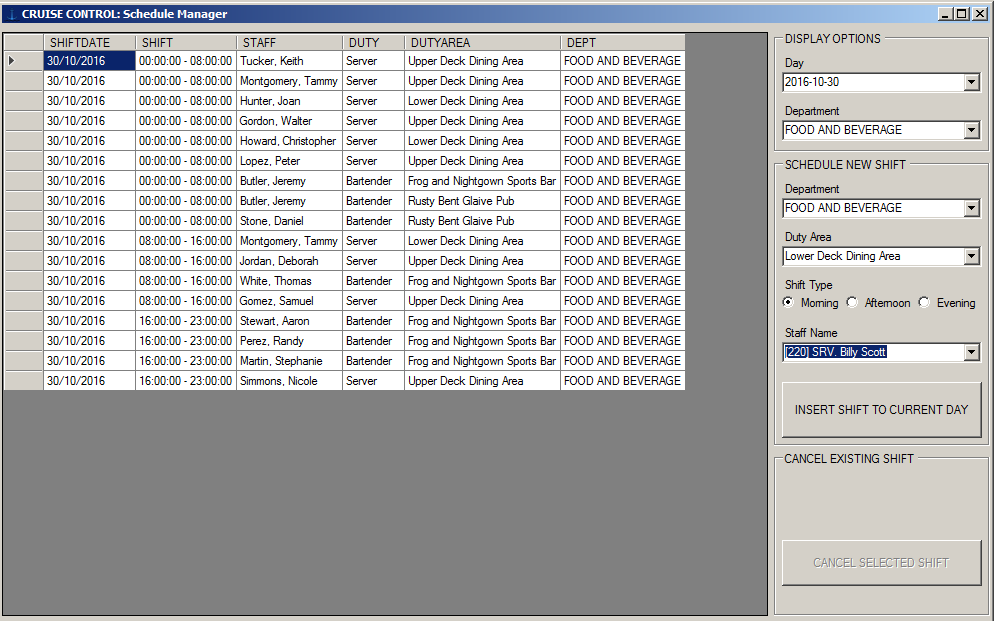


**CRUISE CONTROL: Scheduling Management**

This control is accessed from the main control program by pressing the ‘Scheduling’ button. From this control, the user is able to view the trip’s schedule by day, and filter it by departments. They are able to see information such as the shift times, the worker with their job, which area they’re assigned to, and more.



Using the controls grouped under ‘SCHEDULE NEW SHIFT’, the user is able to create new shifts and assigned them to the relevant employees.



Finally, should the user wish to cancel a shift, the simply need to select the shift (row) they wish to cancel and hit the ‘CANCEL SELECTED SHIFT’ button.

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