



CMPS4131: Software Engineering
Group #4

Berthing Scheduling Application

User Document

Demo #1

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Based on the use cases the following user instructions/guidelines outline the basic functionality of our application and what a user would need to do navigate the application.

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Logging in and the user interface

Upon launching the Berthing System application, a user will land on the login page. On the login page the user will be prompted to enter their username and password and click the login button. If a user's credentials are verified the user interface will be provided. The user's roles will be appropriately entered in the database. Depending on the user's role the appropriate interface will be shown. If a user's login credentials are inaccurate and cannot be verified, they will be taken back to the login page and informed accordingly.

Logging out of the application

All users will have a drop down tab beside their profile picture at the top right hand corner of the dashboard. When they click that drop down button they will be shown a list that includes the log out button. Upon clicking the logout button users will be safely logged out and will be returned to the initial screen provided upon launch of the application.

System Administrator

Upon logging in the System administrator dashboard will show a list of all ships that are in port, scheduled to arrive and have departed the port. The status of the vessels listed will be displayed. The system manager will be able to click the update, delete or add button for a vessel. Upon entering the required information, the user will be asked to confirm the choices made. The information will be updated in the database.

The Systems Administrator will be presented with a user's icon. Upon clicking this icon, the user will be able to add a user, update a user's account, suspend an account or grant access to a user. Upon confirming the requests, the user will return to the main dashboard.

CEO, Senior Management

The CEO and Senior management's dashboard will list various ship details (expected, in port or departed), notification of the status of ships (delayed, departed, offloading and loading), and working teams. This group of users will have a button to generate reports. Upon clicking the button, they will be prompted to enter various filters. After the request has been confirmed and sent the report will be displayed on the dashboard. The user will be able to print the report or have the option to return to the main dashboard.

Operations Manager, Supervisor and Team

The dashboard for both the Operations manager and the Operations Supervisor, will show notifications of when a gang starts working on a vessel, delays that have been logged and the overrun of a targeted delay. Both users will be provided with a button to log delays. Upon clicking this button, a user will be able to input the relevant information into a form and click save to input the information into the database. The user will be returned to his/her main dashboard. The listing of ships on the dashboard will have an update button which can be used to input updated information about a vessel. Upon clicking the user will be prompted to enter the relevant information on a page. Upon submitting the user will be returned to the main interface.

The Operations supervisor will have additional functionality on his dashboard. Operations supervisors will have the ability, on their dashboard, to see work schedules and delays, can create schedules, and report delays. When the icon for creating schedules and reporting delays are clicked by the user a form will be launched. The form filled in and created/submitted can be submitted to be logged in the database or canceled. Upon completion the user returns to his/her main dashboard.

Gang foreman, Stevedore, Machine Operators, Marine Team, and Pilot

These users will have the least functionality. Upon logging in on the application these users will be presented with their dashboard. These users will only be able to view their working schedules and get notification of delay and their working schedules. These will be loaded on the dashboard upon the user clicking the appropriate icons – “show schedule” and “show notification”.

The Marine Team will have one additional functionality on their dashboard, which will be to update a ship's schedule. These users will be provided with an update schedule button on their dashboard. Upon clicking the button, a form will be shown on the screen and the relevant information will be inputted and saved.

Shipping Agents

Shipping agents upon logging in will only be able to view the data directly related to their vessel on their dashboard. They will be able to select and view the status of all their vessels. Shipping agents will be provided with a button to update their ships arrival and departure date and times.

Technical Team

The technical team will have on their dashboard details of the ship(s) currently being loaded and unloaded. They will have the ability clearly shown on their dashboard the lists of vessels. Upon clicking a vessel name updated details of the vessel will be displayed. The technical team will also have the ability to update report delays. As will all the other users a report delay button will be displayed. Upon clicking the icon, the user will fill in the relevant information and click save to lodge the data in the database. This information will be available and relayed to all users.