Kabeza de barangay: Boat Repair and Rental Management System

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| Feature | Rank/Priority | Development time needed |
| Send Email notification | 1 | 4 days |
| Print report features | 2 | 2 days |
| Login/log out | 3 | 1 week |
| Mobile responsiveness | 4 | 5 days |
| Calendar view of repairs | 5 | 3 days |
| Email notification with pdf invoice attachements | 6 | 4 days |
| Forgot password | 4 | 4 days |
| Get user location and display on map | 2 | 5 days |
| Recommend nearest destination on boat drivers | 3 | 1 days |
| Display markers of Boat driver, Tourist and destination on a Map. | 3 | 5 days |
| Compute Distance between boat owner location and destination. | 3 | 4 days |
| Sign up as Boat driver or tourist | 5 | 3 days |
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The project is created is a web application with the email notification features and it uses scripting language Php and MySQL for the data manipulation. The project also uses different libraries to be able to attain the needed features example are Phpmailer for sending email, Fpdf and Dompdf for generating a printable reports. The Project documents such as photos are saved in a separated folder and saved it on a database for later usage. The project also uses Geolocation API and Google maps API so that location features can also integrated. According to some Testing done with the system the app itself location features are not accurate enough for laptops but more accurate on the Smartphones which has GPS. The system has also algorithm that defines how far the current boat driver position on the destination, so with the constraints of renting a boat from a far away location to a far away destination, the developer intead allows the boat driver to only accept boat reservation on the destination which is less than 10 miles away from them.