

Working Prototype Known Problems Report

Product: **Shipsterr**

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Functions with known bugs:

1. Fedex.js API error handling. The FedEx API does not accept floating point decimal numbers for length, width, or height inputs. The other service providers do. If a decimal point is inputted for either of the dimensions, FedEx will return an error. We should at least state that FedEx requires round numbers on the web page.
2. For certain zipcodes only for ground shipping, USPS returns a wildly overpriced estimate for how much money it would cost to ship a small package (100+ dollars). We are unsure whether this is a problem with the code or USPS API.

Limitations of the design (not bugs):

1. Our product only returns the prices of FedEx, UPS, USPS. If the course were longer, we could add more companies to our product.
2. The calculator only currently has options for 3 service types for each provider.
3. For some zip codes only for ground shipping, USPS returns an error stating that it does not ship to those zipcode zones. This is not a bug or even really a limitation of the program, but in the interest of transparency, it is stated here.

4. FedEx API has a very generic error message when returning certain errors, unlike UPS and USPS. Given more time, better error handling could lead to more specific error messages.
5. Because of our use of Node.js modules, any client wanting to use this product and host it on a web server must use a web server that has Node.js and its modules installed.