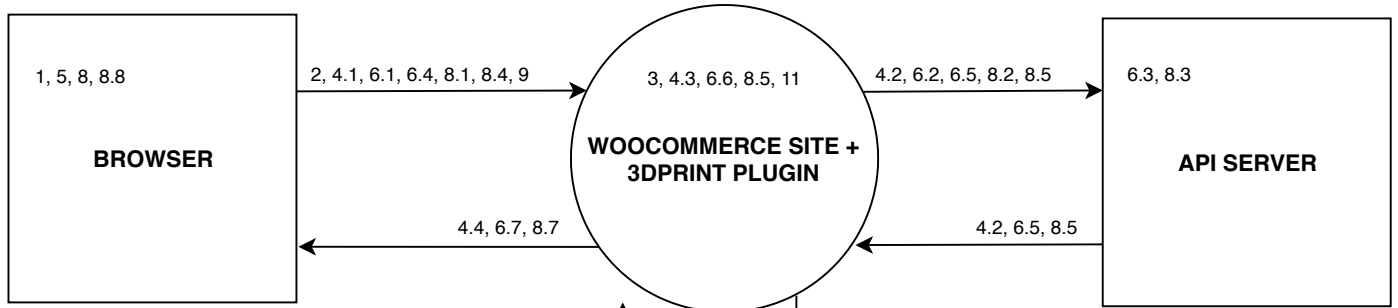


ADD TO CART MODE (API SUB. ON)



Price Req. + API SUB. ON

- 1) A model file is selected in the browser.
- 2) The file is sent to the site by chunks.
- 3) All file chunks are uploaded and joined on the woocommerce site.
- 4) If a file conversion is required (non-stl, non-obj) then:
 - 4.1) The browser sends an ajax post request to the woocommerce site.
 - 4.2) The plugin posts the file to the API server synchronously and receives the download link in one shot.
 - 4.3) The converted file is downloaded and stored in the 3dprint upload folder
 - 4.4) Browser receives the ajax post response with the download URL and displays the new model in the browser.
- 5) By this time the model should be displayed in the 3D viewer. On the browser side some JavaScript calculations are done: dimensions, bounding box, surface area, material volume (100% solid).
- 6) If a file repair is enabled:
 - 6.1) The browser sends an ajax post request to the woocommerce site.
 - 6.2) The plugin posts the file to the API server.
 - 6.3) The API server runs the repair job.
 - 6.4) Every 3 seconds the browser initiates an ajax post request to the site checking the repair job status.
 - 6.5) The plugin sends a repair check request to the API server.
 - 6.6) Once the repair is finished the repaired file is downloaded and stored in the 3dprint upload folder.
 - 6.7) Browser receives the ajax post response with the download URL and displays the new model in the browser.
 - 7) File optimization logic works the same way as the file repair.

- 8) If API subscription is enabled the browser initiates the model analysis process.
 - 8.1) The browser sends an ajax post request with the user chosen parameters (printer, material, coating, infill, unit) to the woocommerce site.
 - 8.2) The plugin posts the file with slicing parameters to the API server.
 - 8.3) The API server runs the model analysis job.
 - 8.4) Every 3 seconds the browser initiates an ajax post request to the site checking the analysis job status.
 - 8.5) The plugin sends an analysis check request to the API server.
 - 8.6) Once the analysis is finished the plugin receives the data from the API server (material volume, print time) and stores it in the database.
 - 8.7) Browser receives the ajax post response with the material volume and print time and displays them on the screen.
 - 8.8) Browser calculates the estimated price and displays it on the screen.
- 9) If the "add to cart" button is clicked the browser posts the form with the parameters selected on the frontend.
- 10) The plugin reads the analysis data (recieved on 8.6) from the database and recalculates the price accordingly.
- 11) The product with the plugin calculated price is added to the shopping cart and the standard WooCommerce checkout comes into play.
- 12) WooCommerce Order saved in the database.