SUMMARY OF THE INVENTION

[0009a] According to a first aspect, there is provided a modular storage assembly, comprising: a first module comprising: a first rectangular, substantially flat back panel; a first left and a right side panel, said first left and right side panels perpendicularly attached to opposite sides of said rectangular back panel, and having a substantially flat outer side and a ridged inner side comprised of alternating evenly spaced pins and tails, wherein each end of said first left and right side panels terminates with an end pin, wherein said first right and left side panels include a plurality of notches along a side of said first right and left side panels parallel and opposite to said rectangular back panel, wherein each of said plurality of notches coincides with a tail; a top and a bottom panel perpendicularly attached to opposite sides of said first rectangular back panel perpendicular to said first left and right side panels, said top and bottom panels having substantially flat outer and inner sides, said inner side includes an extending member at each end that is slidably insertable into a first tail from each end of said right and left side panels forming a dovetail joint, wherein said end pin on each side panel forms a flush corner with said top or said bottom panel, wherein said first module forms a rectangular open box when fully assembled; and a second module that comprises: a second rectangular, substantially flat back panel; and a second left and a right side panel, said second left and right side panels perpendicularly attached to opposite sides of said rectangular back panel, and having a substantially flat outer side and a ridged inner side comprised of alternating evenly spaced pins and tails, wherein each end of said second left and right side panels terminates with an end pin, wherein at least one of said first left and right side panels are attached to at least one of said second left and right side panels by at least one slidably insertable fastener inserted into at least one tail of each respective side panel.

[0009b] According to a second aspect, there is provided a modular storage assembly, comprising: a first module comprising: a rectangular, substantially flat back panel; and a first left and a right side panel, said first left and right side panels perpendicularly attached to opposite sides of said rectangular back panel, and having a substantially flat outer side and a ridged inner side comprised of alternating evenly spaced pins and tails, wherein each end of said first left and right side panels terminates with an end pin; and a second module that comprises: a second rectangular, substantially flat back panel; and a second left and a right side panel, said second left and right side panels perpendicularly attached to opposite sides of said rectangular back panel, and having a substantially flat outer side and a ridged inner side

comprised of alternating evenly spaced pins and tails, wherein each end of said second left and right side panels terminates with an end pin; and a top and a bottom panel perpendicularly attached to opposite sides of said rectangular back panel perpendicular to said first and second left and right side panels, said top and bottom panels having a substantially flat outer side and include an extending member at each end that is slidably insertable into a first tail from each end of said right and left side panels forming a dovetail joint, wherein said end pin on each side panel forms a flush corner with said top or said bottom panel, wherein said top and bottom panels include two additional extending members allowing said first and second modules to be fixedly attached side-by-side.

[0009c] According to a third aspect, there is provided a modular storage assembly, comprising: at least three modules comprising a rectangular, substantially flat back panel; a left and a right side panel, said left and right side panels perpendicularly attached to opposite sides of said rectangular back panel, and having a substantially flat outer side and a ridged inner side comprised of alternating evenly spaced pins and tails, wherein each end of said left and right side panels terminates with an end pin; and a top and a bottom panel perpendicularly removably attached to opposite sides of said rectangular back panel perpendicular to said left and right side panels, said top and bottom panels have substantially flat outer and inner sides, said inner side includes an extending member at each end that is slidably insertable into a first tail from each end of said right and left side panels forming a dovetail joint, wherein said end pin on each side panel forms a flush corner with said top or said bottom panel; and at least one insert, wherein said at least one insert includes two ends and each end includes at least one pin which is slidably insertable into said tails of said left and right side panels, wherein said at least three modules are connected with at least one slidably insertable connector that is slidably insertable into at least one tail of said left and right side panels, wherein at least two of said at least three modules are fixedly connected, wherein said back panels of said at least two modules are substantially in contact with each other; wherein at least two of said at least three modules are pivotally connected with a slidably insertable connecter that is a hinge connecter, and wherein at least two of said at least three modules are fixedly connected with a slidably insertable connector that is one of a U-connector and a dual pin vertical connector.

[0010] A modular storage assembly is described. The modular storage assembly includes a module that includes a rectangular, substantially flat back panel and a left and a right side panel. The left and right side panels are perpendicularly attached to opposite sides of said rectangular back panel. The left and right side panels have a substantially flat outer side and a ridged inner side comprised of alternating evenly spaced pins and tails.

[0011] The modular storage assembly further includes a top and a bottom panel perpendicularly attached to opposite sides of the rectangular back panel and perpendicular to the left and right side panels. The top and bottom panels having a substantially flat outer side and include an extending member at each end that is slidably and/or removably insertable into a first tail from each end of the right and left side panels forming a dovetail joint, wherein the end pin on each side panel forms a flush corner with said top or said bottom panel. The module forms a rectangular open box when fully assembled. Multiple modules may be connected to each other by various connection means to allow customizability and expandability.

[0012] The modular storage system is customizable by the consumer in a configuration that best fits consumer's needs and can expand as needs grow utilizing space in a very efficient manner. Modules can vary in size and depth and can attach to each other top to bottom, side to side, back to back and can hinge together. Modules can connect together top to bottom by removing the top and corresponding bottom panels and attaching dual pin vertical connectors. Modules can connect side to side by attaching U-connectors. Modules can hinge together by attaching hinge connectors creating a variety of combinations of single or multiple opening doors. Modules can connect back to back with screws. Modules can hang over a door by attaching over the door hooks or attach to a wall or door with screws. Modules can stand free on the floor.

[0013] Inserts such as trays and shelves connect into the cabinets by sliding into the tails of the modules. A variety of inserts are accommodated.