Instructions:

Based on the following wireframes and the dataSource.json provided, please implement the following requirements. You may use ReactJS or Angular 2+ for implementing the UI. For the RESTful service requirement please use NodeJS.
You will be given **three hours** to submit your solution. Once you are done with the test, you can share your solution via Google drive or Github.

Server Requirements:

1) Using ExpressJS, implement a RESTful service for retrieving a list of products. The service will need to implement the following endpoint:

   http://domain:port/api/products?page=n&size=m

   Where n is the numeric value of the page you would like to retrieve, and m is the size of the page. For example, page=1&size=16 should return the first 16 items. If the user does not pass any query parameters, then this endpoint will return all items at once.

   Please make sure you take into account all cases. This means that your RESTful service should return the appropriate HTTP codes.

   Please use the provided **dataSource.json** file as the data source for this service. You **do not** need to setup a DB for this.

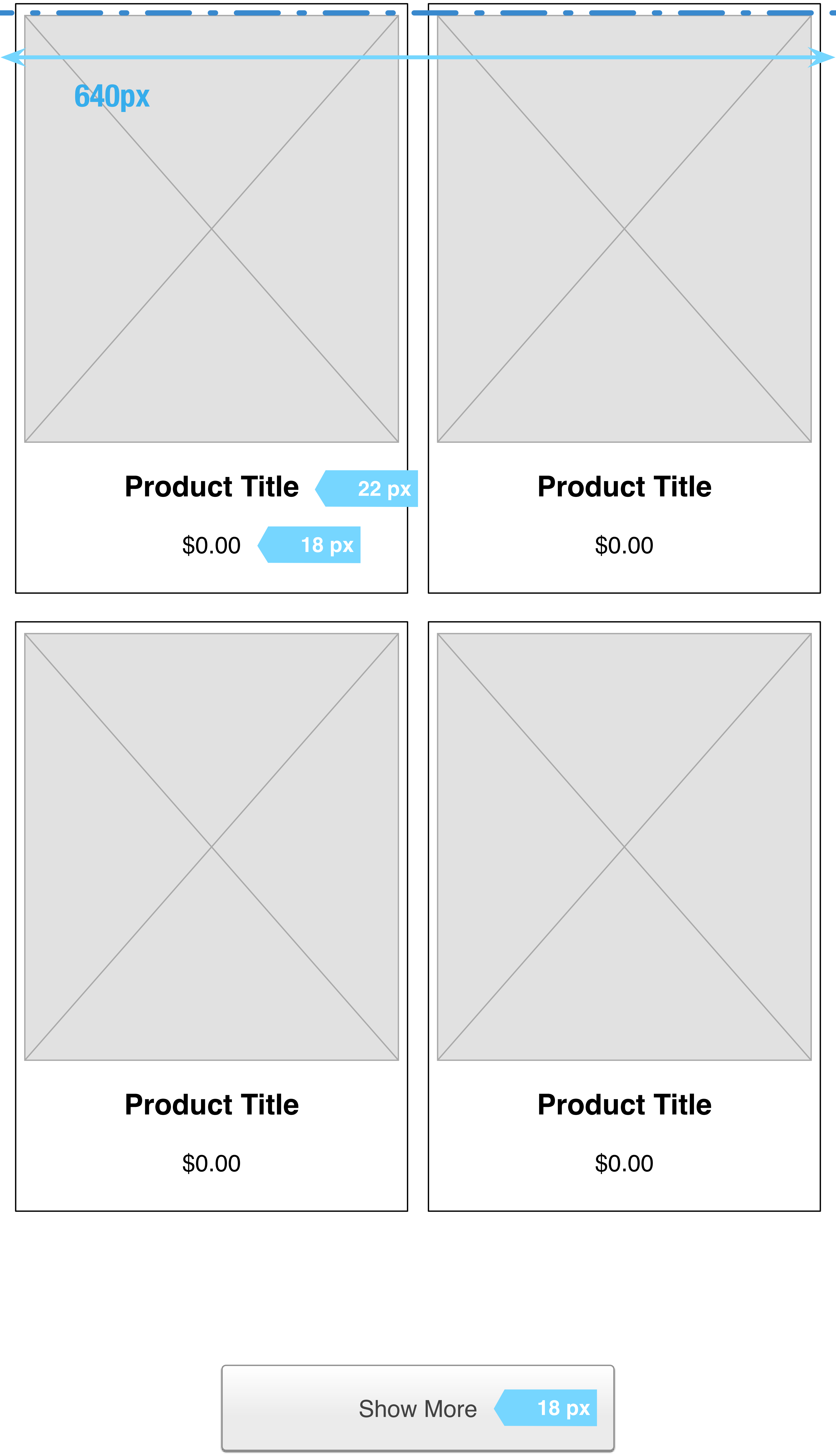
UI Requirements:

1) Using the following wireframes (the look and feel is left up to you) as guidelines, implement the following layout:

   The layout must be responsive which means:
   a) At 640px or lower, you will display two products per row.
   b) At 1024px or higher you will display two rows with four products on each row.
   c) Between 640px and 1024px, you will display three products per row.

2) Using ExpressJS, set up an index.ejs template that will be used to render the first 8 products on page load. The products **do not** need to be server side rendered, the template should contain the root node for your React or Angular App. The UI should rely on the product RESTful service to retrieve the products.

3) You need to implement the "Show More" functionality which is a lazy-loading feature for this application. When the user clicks on show more, you will render the next set of 8 products. Once, all products available in the dataSource.json have been rendered, the "Show More" button should not be displayed.



640px

Product Title

22 px

$0.00

18 px

Product Title

$0.00

Product Title

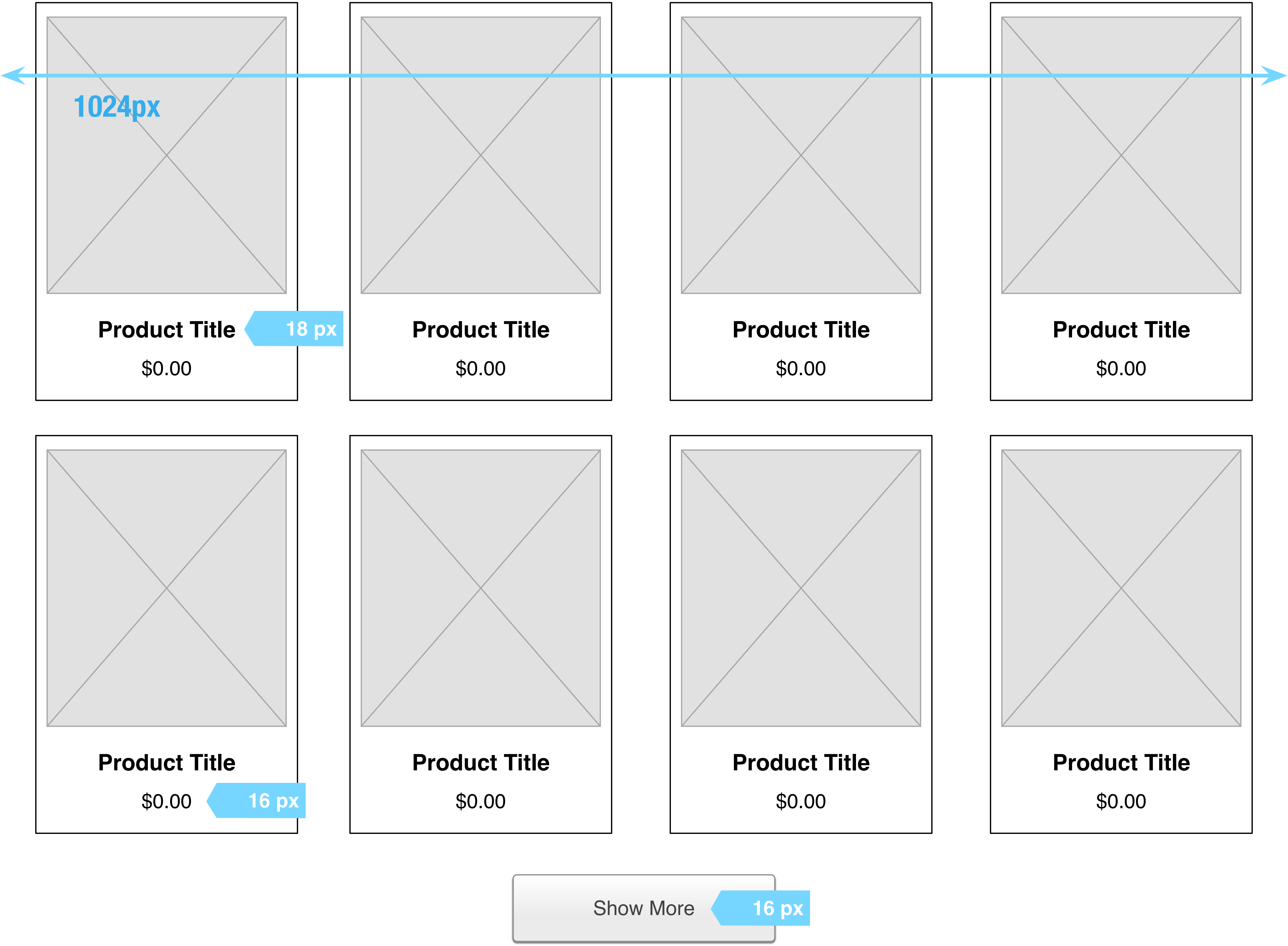
$0.00

Product Title

$0.00

Show More

18 px


1024px
Product Title
18 px
$0.00
Product Title
$0.00
Product Title
$0.00
Product Title
$0.00
Product Title
$0.00
16 px
Product Title
$0.00
Product Title
$0.00
Product Title
$0.00
Show More
16 px