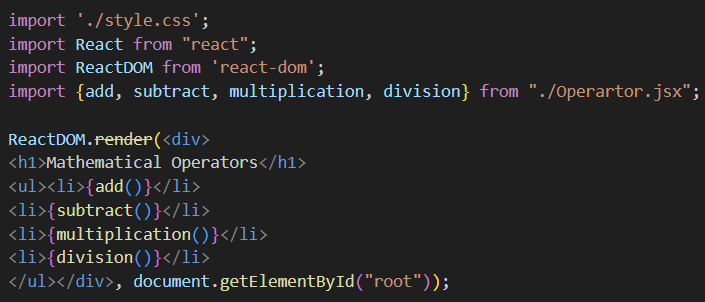
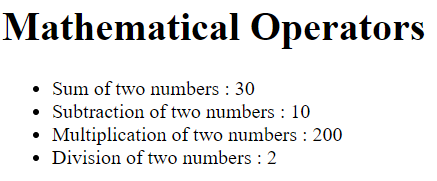
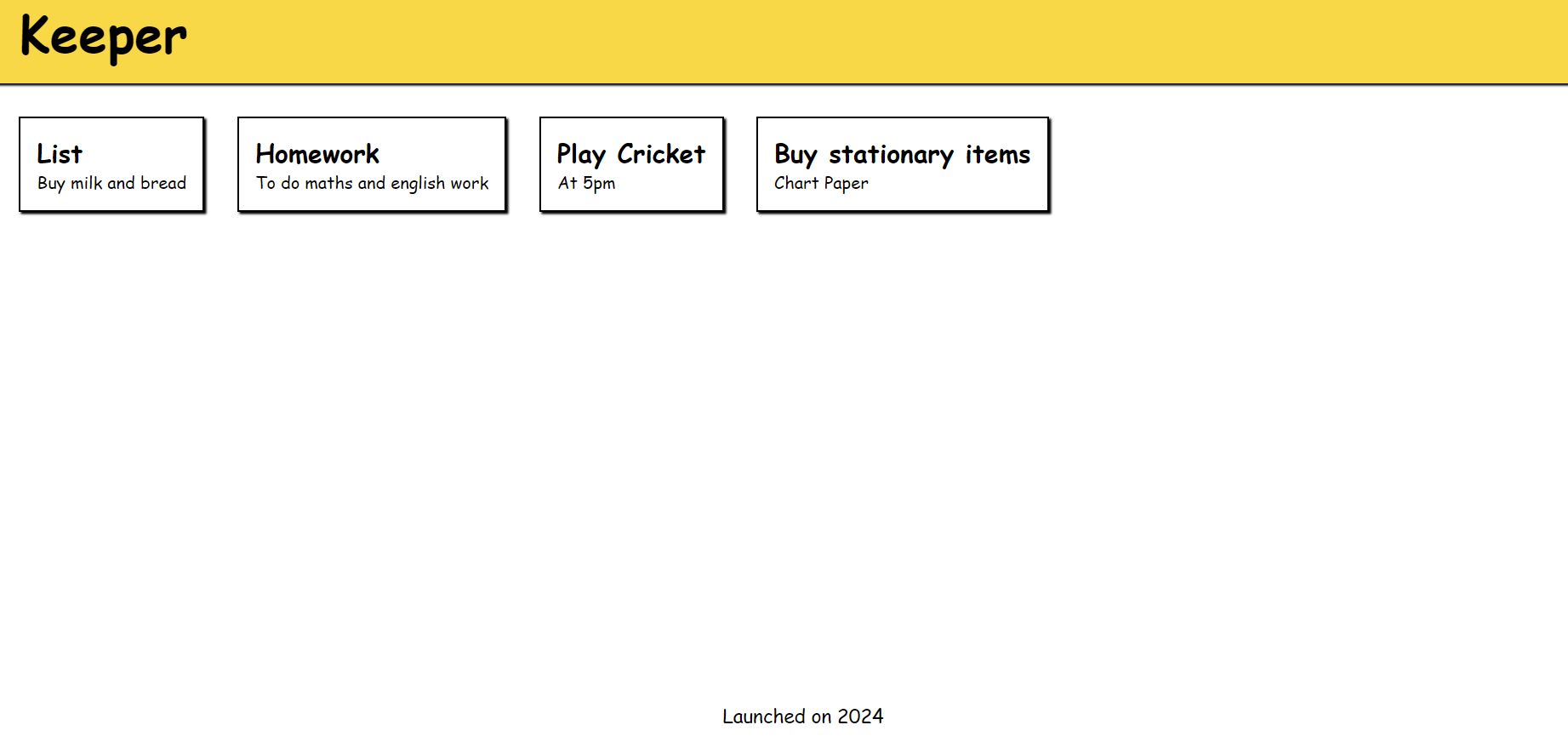
Input:



Output:



Output:



Input:



