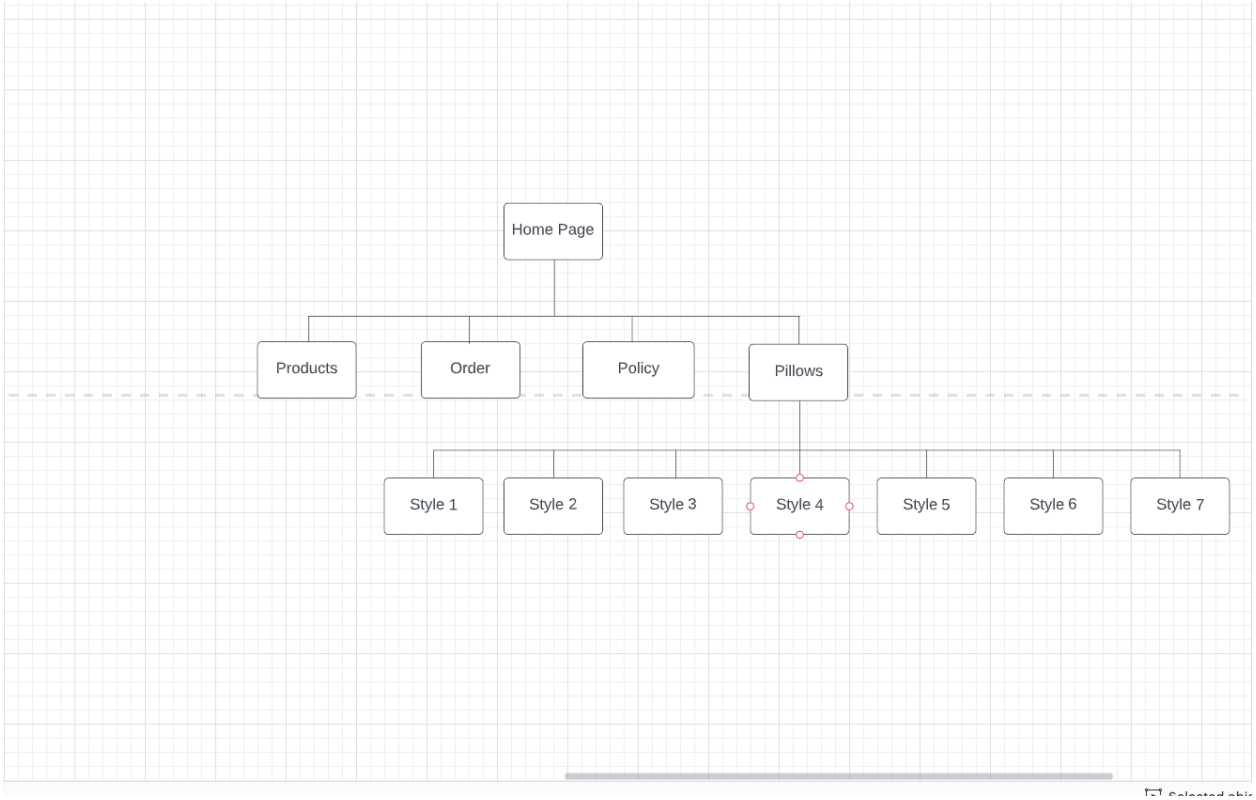
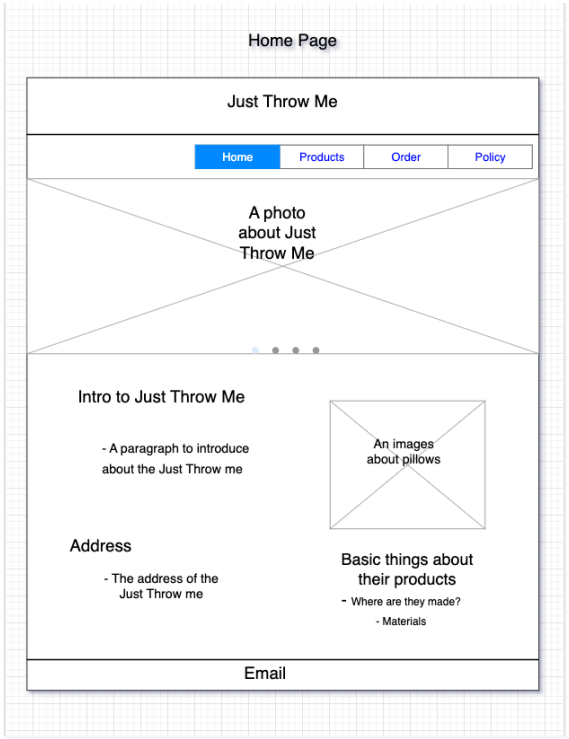
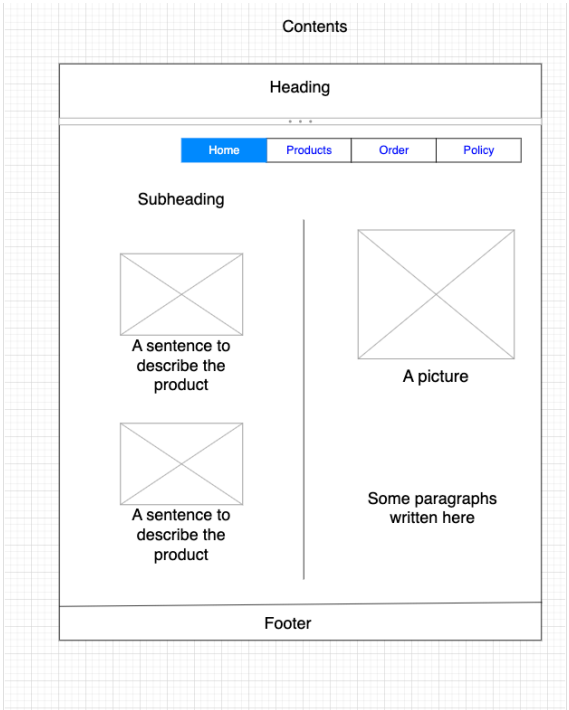
2) Hands-On Exercises number 2 question b



3) Hands-on Exercises number 3 question b





4)
- Hierarchical Organization is used for the JavaJam website.
- I think it is the most appropriate organization because it is a commercial website. Customers can easily change pages, which is pretty convenient.

Page Layout

1. ✓ Appealing to target audience
2. ✓ Consistent site header/logo
3. ✓ Consistent navigation area
4. ✓ Informative page title that includes the company/organization/site name
5. ✓ Page footer area includes copyright, last update, contact e-mail address
6. ✓ Good use of basic design principles: repetition, contrast, proximity, and alignment
7. ✓ Balance of text/graphics/white space on page
8. ✓ Good contrast between text and background
9. ✓ Home page downloads within 10 seconds on a mobile device
10. ✓ Viewport meta tag is used to enhance display on smartphones
11. ✓ Responsive page layout is configued for smartphone and tablet display

Browser Compatibility

12. ✓ Displays on popular/current versions of Microsoft Edge
13. ❑ Displays on current versions of Firefox
14. ✓ Displays on current versions of Google Chrome
15. ❑ Displays on current versions of Opera
16. ✓ Displays on current versions of Safari (both Mac and Windows)
17. ❑ Displays on popular/current versions of Internet Explorer
18. ❑ Displays on popular mobile devices (including tablets and smartphones)

Navigation

19. ✓ Main navigation links are clearly and consistently labeled
20. ✓ Navigation is easy to use for target audience
21. ❑ If main navigation uses images, clear text links are in the footer section of the page
22. ❑ If main navigation uses media, clear text links are in the footer section of the page
23. ❑ Navigation is structured in an unordered list
24. ❑ Navigation aids, such as site map, skip navigation link, or breadcrumbs are used
25. ✓ All navigation hyperlinks "work" — are not broken

Color and Graphics

26. ✓ Color scheme is limited to a maximum of three or four colors plus neutrals
27. ✓ Color is used consistently
28. ✓ Text color has sufficient contrast with background color
29. ✓ Color is not used alone to convey meaning
30. ✓ Use of color and graphics enhances rather than distracts from the site
31. ✓ Graphics are optimized and do not significantly slow download
32. ✓ Each graphic used serves a clear purpose
33. ✓ Img element tags use the alt attribute to configure an alternate text description
34. ❑ Animated images do not distract from the site and do not endlessly repeat

Multimedia

35. ❑ Each audio/video file used serves a clear purpose

36. ❑ Any animation used enhances rather than distracts
37. ❑ Captions are provided for each audio or video file used
38. ❑ If needed, links to downloads for media plug-ins are provided

Content Presentation

39. ✓ Common fonts such as Arial or Times New Roman are used
40. ✓ No more than one web font is used
41. ✓ Techniques of writing for the Web are used: headings, bullet points, brief paragraphs
42. ✓ Fonts, font sizes, and font colors are consistently used
43. ✓ Content provides meaningful, useful information
44. ✓ Content is organized in a consistent manner
45. ✓ Information is easy to find (minimal clicks)
46. ✓ Timeliness: The date of the last revision and/or copyright date is accurate
47. ✓ Content does not include outdated material
48. ✓ Content is free of typographical and grammatical errors
49. ❑ Content provides links to other useful sites
50. ✓ Avoids the use of "Click here" when writing text for hyperlinks
51. ✓ Hyperlinks use a consistent set of colors to indicate visited/nonvisited status
52. ✓ If graphics are used to convey meaning, the alternate text equivalent is provided
53. ✓ If media is used to convey meaning, the alternate text equivalent is provided

Functionality

54. ✓ All internal hyperlinks work
55. ✓ All external hyperlinks work
56. ✓ All forms function as expected
57. ❑ No JavaScript errors are generated

Accessibility

58. ❑ If main navigation uses images or other media, text links are in the footer section of the page
59. ❑ Navigation is structured in an unordered list
60. ❑ Navigation aids, such as site map, skip navigation link, or breadcrumbs are used
61. ✓ Color is not used alone to convey meaning
62. ✓ Text color has sufficient contrast with background color
63. ✓ Img elements use the alt attribute to configure an alternate text description
64. ✓ If graphics are used to convey meaning, the alternate text equivalent is provided
65. ❑ If media is used to convey meaning, the alternate text equivalent is provided
66. ❑ Captions are provided for each audio or video file used
67. ❑ Use attributes designed to improve accessibility such as title when appropriate
68. ❑ Use the id and headers attributes to improve the accessibility of table data
69. ❑ Configure frames with frame titles and place meaningful content in the noframes area
70. ✓ The html element's lang attribute indicates the spoken

- Three design practices that have been well implemented: Page layout, Functionality, Content Presentation.
- Three design practices that could be implemented in a better way: Brower compatibility, Accessibility, Navigation.
- Since this is a commercial website, it should have an order page so that customers can purchase their products. Besides, the website can be improved by adding some images related to the menu so that customers can see what the products look like, which heps them make a best decision.