

15. A user interface system comprising:
 a sheet that defines a surface and at least partially defines a first level fluid vessel arranged at a first level within the sheet and a second level fluid vessel arranged at a second level within the sheet substantially different from the first level, wherein both the first and second level fluid vessels are arranged underneath the surface;
 a first volume of fluid contained within the first level fluid vessel;
 a second volume of fluid contained within the second level fluid vessel; and
 a displacement device coupled to the first and second level fluid vessels that selectively manipulates the first and second volumes of fluid, thereby deforming a first and second particular region of the surface, respectively.

16. The user interface system of claim **15**, wherein the level of the second level fluid vessel is substantially below the level of the first level fluid vessel, and wherein the displacement device manipulates the first volume of fluid to deform a first thickness of the sheet to deform the first particular region of the surface and the displacement device manipulates the second volume of fluid to deform a second thickness of the sheet thicker than the first thickness to deform the second particular region of the surface.

17. The user interface system of claim **15**, wherein a portion of each of the first and second level fluid vessels are arranged along substantially the same plane within the sheet.

18. The user interface system of claim **16**, wherein the second thickness of the sheet is of a material with higher pliability than the first thickness of the sheet.

19. The user interface system of claim **16**, wherein the displacement device manipulates the second volume of fluid to a higher pressure than the first volume of fluid to deform the first and second particular regions to substantially equal degrees of deformation.

20. The user interface system of claim **16**, wherein the second fluid vessel further comprises a second portion that is arranged substantially along the same plane as the first fluid vessel, wherein the displacement device manipulates the second volume of fluid within the second portion of the second fluid vessel to deform a second thickness of the sheet substantially equal to the first thickness to deform a second particular region of the surface.

21. The user interface system of claim **15**, wherein the sheet includes a substrate that at least partially defines the first and second fluid vessels and a layer that defines the surface arranged above the substrate.

22. The user interface system of claim **21**, further comprising a support structure arranged below the layer that supports the layer and substantially prevents inward deformation of the particular region of the surface.

23. The user interface system of claim **15**, wherein the displacement device manipulates the first volume of fluid to expand at least a portion the first level fluid vessel to deform the first particular region and manipulates the second volume of fluid to expand at least a portion of the second level fluid vessel to deform the second particular region.

24. The user interface system of claim **23**, wherein the expandable portion of the first level fluid vessel is substantially adjacent to the expandable portion of the second level fluid vessel.

25. A method of providing a user interface, comprising the steps of:

providing a sheet defining a surface with a deformable region and a first level fluid vessel that contains a first volume of fluid arranged at a first level within the sheet and a second level fluid vessel that contains a second volume of fluid arranged at a second level within the sheet substantially different from the first level; and

selectively deforming the surface to a first and second stage, wherein selectively deforming the surface to a first and second stage includes:

manipulating the first volume of fluid to deform at least a portion of the first fluid vessel to deform the surface to the first stage;

manipulating the second volume of fluid to deform at least a portion of the second fluid vessel to deform the surface to the second stage.

26. The method of claim **25**, wherein the step of manipulating the first volume of fluid includes manipulating the first volume of fluid to deform a first particular region of the surface and wherein the step of manipulating the second volume of fluid includes manipulating the second volume of fluid to deform a second particular region of the surface substantially distinct from the first particular region.

27. The method of claim **26**, wherein the steps of manipulating the first and second volumes of fluid to deform a first and second particular region, respectively, includes manipulating the first and second volumes of fluid to different pressures to deform the first and second particular regions to substantially the same degree of deformation.

28. The method of claim **26**, wherein the step of providing a sheet further includes arranging a material with a first pliability substantially over the deformable portion of the first fluid vessel and arranging a material with a second pliability substantially over the deformable portion of the second fluid vessel, wherein the second pliability is higher than the first pliability.

29. The method of claim **25**, wherein the step of manipulating the first volume includes manipulating the first volume to deform a particular region to a first shape and wherein the step of manipulating the second volume includes manipulating the second volume of fluid to deform the particular region to a second shape.

30. The method of claim **29**, wherein the steps of manipulating the first and second volumes of fluid to deform the particular region to a first and second shape, respectively, includes the step of manipulating the second volume to increase the perimeter of the deformation of the particular region.

31. The method of claim **29**, wherein the steps of manipulating the first and second volumes of fluid to deform the particular region into a first and second shape, respectively, includes the step of manipulating the second volume to increase the height of the deformation of the particular region.

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