**CLAIMS**

What is claimed is:

1. A computer-implemented system for a dynamic insurance policy product composition comprising:

a processor configured to execute computer-executable instructions for defining one or more interactive nodes to be visually displayed on a graphical user interface (GUI) on a display, wherein each of the one or more interactive nodes includes data to be visually movable in response to real-time interactions with a user on the GUI for visually composing at least one portion of an insurance policy product on the GUI;

wherein the processor is configured to execute computer-executable instructions for defining one or more regions on the GUI, each of the one or more regions is defined by GUI boundaries, displayed on the GUI, separating the one or more regions, wherein each of the one or more regions of the GUI comprises computer-executable instructions to trigger one or more rule-based actions to process the data stored in the one or more interactive nodes, wherein the one or more regions comprise at least a clause library region and a product construction region, wherein the clause library region visually displays one or more clauses as the one or more interactive nodes for the insurance policy product within the GUI boundaries;

wherein the GUI, being responsive to the real-time interactions with the user, monitors movements of the one or more interactive nodes across the GUI boundaries of the one or more regions as presented on the GUI as a function of the real-time interactions of the user, wherein the movements comprise movements of the one or more interactive nodes navigating across the one or more regions on the GUI by the user using an input device connected to the processor;

in response to the monitored movements, wherein the processor is configured to dynamically expose the data of the one or more interactive nodes to a particular region of the one or more regions on the GUI;

wherein the processor is configured to execute the one or more rule-based actions in the particular region on the exposed data of the one or more interactive nodes, wherein the processor is configured to identify the exposed data, conditions, or

parameters related to the one or more interactive nodes before executing the one or more rule-based actions in the particular region, wherein the one or more rule-based actions is defined by the particular region;

wherein the processor is configured to generate one or more policy terms representing the at least one portion of the insurance policy document in response to the executed one or more rule-based actions, wherein, in response to the one or more interactive nodes moving from the clause library region to the product construction region, the processor is configured to dynamically build the insurance policy document having the one or more policy terms in real-time based on the identified data, conditions, or parameters in the one or more clauses; and

wherein the processor is configured to execute computer-executable instructions to provide warnings or notifications in response to exceptions or inconsistencies identified during dynamic construction of at least one portion of the insurance policy product as the one or more interactive nodes are organized in the product construction region based on the real-time interactions.

2. The computer-implemented system of claim 1, wherein the processor is configured to receive additional real-time interactions from the user while executing the one or more actions in the particular region on the data of the one or more interactive nodes.

3. The computer-implemented system of claim 1, wherein the processor is further configured to execute computer-executable instructions to compute an insurance eligibility or an insurance policy pricing as a function of the at least one portion of the insurance policy product.

4. A computer-implemented graphical user interface (GUI) system for a dynamic insurance policy product composition comprising:

a processing component configured to execute computer-executable instructions for defining one or more regions on a GUI to be visually displayed on a display, wherein the one or more regions comprise one or more interactive elements to be displayed on the GUI, wherein each of the one or more interactive elements includes data to be

visually movable on the GUI for visually composing at least one portion of an insurance policy product on the GUI; wherein each of the one or more regions is defined by GUI boundaries, displayed on the GUI, separating each of the one or more regions, wherein each of the one or more regions of the GUI comprises computer-executable instructions to trigger one or more rule-based actions to process the data stored in the one or more interactive elements, wherein the one or more regions comprise at least a clause library region and a product construction region, wherein the clause library region visually displays one or more clauses as the one or more interactive elements for the insurance policy product within the GUI boundaries;

wherein the GUI, being responsive to real-time interactions from a user, monitors movements of the one or more elements across the GUI boundaries of the one or more regions as presented on the GUI as a function of the real-time interactions, wherein the movements comprise movements of the one or more interactive elements navigating across the one or more regions on the GUI;

in response to the monitored movements, wherein the processing component is configured to expose the data of the one or more interactive elements to a particular region of the one or more regions on the GUI;

wherein the processing component is configured to execute the one or more rule-based actions in the particular region on the exposed data of the one or more interactive elements, wherein the processor is configured to identify the exposed data, conditions, or parameters related to the one or more interactive elements before executing the one or more rule-based actions in the particular region, wherein the one or more rule-based actions is defined by the particular region;

wherein the processing component is configured to generate one or more policy terms representing the at least one portion of the insurance policy document in response to the executed one or more rule-based actions, wherein, in response to the one or more interactive elements moving from the clause library region to the product construction region, the processor is configured to dynamically build the insurance policy document having the one or more policy terms in real-time based on the identified data, conditions, or parameters; and

wherein the processing component is configured to execute computer-executable instructions to provide warnings or notifications in response to exceptions or inconsistencies identified during dynamic construction of at least one portion of the insurance policy product as the one or more interactive elements are organized in the product construction region based on the real-time interactions.

5. The computer-implemented GUI system of claim 4, wherein the processing component is configured to receive additional real-time interactions from the user while executing the one or more actions in the particular region on the data of the one or more interactive elements.

6. The computer-implemented GUI system of claim 4, wherein the processing component is further configured to execute computer-executable instructions to compute an insurance eligibility or an insurance policy pricing as a function of the at least one portion of the insurance policy product.

7. A computer-implemented graphical user interface (GUI) system for a dynamic insurance policy document composition and adjudication comprising:

a processing component configured to execute computer-executable instructions for defining one or more regions on a GUI to be visually displayed on a display, wherein the one or more regions comprise one or more interactive elements to be displayed on the GUI, wherein each of the one or more interactive elements includes data to be visually movable on the GUI for visually composing at least one portion of an insurance policy product on the GUI;

wherein each of the one or more regions is defined by GUI boundaries, displayed on the GUI, separating each of the one or more regions, wherein each of the one or more regions of the GUI comprises computer-executable instructions to trigger one or more rule-based actions to process the data stored in the one or more interactive elements, wherein the one or more regions comprise at least a clause library region and a product construction region, wherein the clause library region visually displays one or

more clauses as the one or more interactive elements for the insurance policy product within the GUI boundaries;

wherein the GUI, being responsive to real-time interactions from a user, monitors movements of the one or more interactive elements across the GUI boundaries of the one or more regions as presented on the GUI as a function of the real-time interactions, wherein the movements comprise movements of the one or more interactive elements navigating across the one or more regions on the GUI, wherein the real-time interactions comprise drag and drop gestures of a selection device controlled by a user;

in response to the monitored movements, wherein the processing component is configured to expose the data of the one or more interactive elements to a particular region of the one or more regions on the GUI;

wherein the processing component is configured to execute the one or more rule-based actions in the particular region on the exposed data of the one or more interactive elements, wherein the processor is configured to identify the exposed data, conditions, or parameters related to the one or more interactive elements before executing the one or more rule-based actions in the particular region, wherein the one or more rule-based actions is defined by the particular region;

wherein the processing component is configured to generate one or more policy terms representing the at least one portion of the insurance policy document in response to the executed one or more rule-based actions, wherein, in response to the one or more interactive elements moving from the clause library region to the product construction region, the processor is configured to dynamically build the insurance policy document having the one or more policy terms in real-time based on the identified data, conditions, or parameters; and

wherein the processing component is configured to execute computer-executable instructions to provide warnings or notifications in response to exceptions or inconsistencies identified during dynamic construction of at least one portion of the insurance policy product as the one or more interactive elements are organized in the product construction region based on the real-time interactions.

8. The computer-implemented GUI system of claim 7, wherein the insurance policy document comprises an insurance policy product.

9. The computer-implemented GUI system of claim 7, wherein the insurance policy document comprises an insurance claim.

10. The computer-implemented GUI system of claim 9, wherein the one or more regions comprise an insurance claim interactive region, and a computed results region.

11. The computer-implemented GUI system of claim 10, wherein the processing component is configured to execute computer-executable instructions to receive one of the real-time interactions with an insurance claim interactive node in the insurance claim interactive region from the user for adjudication against the insurance claim.

12. The computer-implemented GUI system of claim 11, wherein the processing component is configured to execute computer-executable instructions to process the insurance claim interactive node in real-time in response to the insurance claim interactive node being associated with the computed results region.

13. The computer-implemented GUI system of claim 7, wherein the processing component is configured to receive additional real-time interactions from the user while executing the one or more actions in the particular region on the data of the one or more interactive elements.

14. The computer-implemented GUI system of claim 7, wherein the processing component is further configured to execute computer-executable instructions to compute an insurance eligibility or an insurance policy pricing as a function of the at least one portion of the insurance policy document.