main_container

problem_col

st.session_state.problem_name →

selectbox

solver_col

checkbox ← st.session_state.compare_solvers

selectbox/multiselect ← st.session_state.solver_name or st.session_state.multiple_solvers

solver_config_container

multi_solver_cols[i]

multi_solver_cols[i]

Only 1 column for single solver

problem_description_container

solve_container
(includes results)

solver_config_container

multi_solver_cols[i]

Subheader (solver_name)

button

text_input

warning / success

multiselect

Tabs (selected configs)

slider

slider

slider for each config item

multi_solver_cols[i]

Same as on left

Add new config

Only seen when button hit

requested_solver_config_name

st.session_state.selected_config_names

All configuration information (all solvers): st.session_state.all_configs

Widget Status Flags
st.session_state.config_tabs_present
st.session_state.new_config

Only 1 column for single solver

problem_description_container

st.expander

input_test_area

st.session_state.input_text_area
st.session_state.input_text_area_key
st.session_state.previous_input_text_area

solve_col

button

reset_col

button

Currently hidden

st.session_state.previous_problem_name
st.session_state.base_input_path
st.session_state.base_save_path
st.session_state.from_user

solve_container

st. spinner

Solver Output (st. expander)

solve_progress_placeholder (.empty())

multi_result_cols[i]

text_area

multi_result_cols[i]

text_area

solve_outputs

When solve is complete
st.session_state.solve_complete
st.session_state.solver_metrics
  - execution_time

Solver Performance (st. expander)

multi_result_cols[i]

result_tabs
(selected_configs)
csv file information

multi_result_cols[i]

result_tabs
(selected_configs)
csv file information

st.session_state.result_csv_paths

Pareto Graph (all solvers/configs)
Plotly Scatter Plot