

Limitations and future directions

- Make `expandChain` extract `input`/reactive values as variables
- Formatting of generated code can improve
 - In particular, insignificant whitespace within source code is not preserved
- Compatibility with Shiny `async` (but should work great with both bookmarking and modules already)
- So far we've only looked at reproducing *snapshots* of app state, not necessarily “lab notebook”-style *why/how/what* over multiple iterations

Credits

- Special thanks to Adrian Waddell at Roche/Genentech, whose (in-house) teal framework provided direct inspiration for shinymeta
- Thanks to Doug Kelkhoff at Roche/Genentech, whose scriptgloss package provided a valuable counterpoint
- Motivated by functionality built independently by many Shiny users over the years, including Vincent Nijs ([radiant](#)); Eric Hare and Andee Kaplan ([intRo](#)); Xiao Ni (Novartis); Eric Nantz (Eli Lilly); Kevin Rue, Charlotte Soneson, Federico Marini, and Aaron Lun ([iSEE](#)); Tyler Morgan Wall ([skpr](#))