Course projects are built into the mathematics curriculum at the University of Washington Tacoma. These projects are intended to give students continual experience writing and presenting mathematical applications to a peer audience, as well as navigating group work. I am happy to provide students with suggested topics. Most often students select their topic from the list of suggestions list rather than generate their own. Something magical happened when a group of students invented their own problem for a multivariable calculus project. They were invested in and passionate about their project to a much higher degree than the other (already very motivated) students. The act of creating their own problem engendered an sense of ownership to their learning that I hope to replicate in more contexts. In this talk I’ll share my experiences in this class, thoughts about project-based learning, and strategies for celebrating students’ ideas. (Received September 25, 2018)