The internet offers planner’s an opportunity to broaden the reach of traditional planning outreach methods. Interactive mapmaking in particular has significant potential to engage stakeholders in a meaningful way, while also producing concrete data for use in the planning process. This thesis explores the connection between web---based map design and public participation through a review of 15 interactive mapmaking websites and seven one---on---one interviews with professional planners and planning technology experts. From this research, I have built a participation framework comprised of three map typologies. Each typology uses implementation and design to create a unique relationship between planner and participant. The framework is intended to serve as a guide for future map development, as well as an argument for increased investment in online mapmaking.