Title: Towards a Community-Centric Pattern Repository
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Duration: 90 minutes
Number of participants: 10–15

Abstract

We have been developing an initial prototype of an online, publicly available repository for pedagogical design patterns over the past three years. We developed it mainly to facilitate locating pedagogical design patterns, but it has since evolved to address other challenges. In the workshop, we discuss the goals of the repository, the technical and practical issues we faced while developing the repository, and the current solutions we have applied to address these issues. Participants will learn about the repository, work with us in better understanding repository issues, and brainstorm solutions to open repository issues. Some repository issues include organizing and navigating patterns in the repository, handling of varied pattern formats, and building a community to support the continued development of the repository.

Keywords: design pattern repository, community effort, collaboration

Workshop Goals

The goals of the workshop are to introduce the pattern repository to the community who might find it useful for their work, to collect ideas for addressing the repository's open issues from the community, and to encourage participation in the development of the repository.

Workshop Participants

The workshop is open to anyone who is interested in learning about the repository, sharing their ideas and experiences working with a pattern repository, contributing their patterns or research to the repository, and design patterns in general. At the end of the workshop, participants will learn about the repository, identify ways they might contribute to the repository and its development, and connect with people who are interested in developing a community-centric pattern repository.

Managing the Workshop

1. **Introduction to the repository [10 minutes]**
   The first part of the workshop will introduce the history, goals, and functionalities of the pattern repository. There will be a short demo to show the features of the repository and its current contents. Participants can freely ask questions about the repository.

2. **Repository challenges (Interactive discussion) [30 minutes]**
   The second part of the workshop will focus on the repository's issues and some solutions that were applied to address them. Participants will discuss actual technical and practical repository issues to help uncover its underlying causes. Current solutions to some of these issues will be discussed to assess their strengths and weaknesses. New issues may be uncovered from the interactive discussions.

3. **Addressing repository challenges (Brainstorming session) [45 minutes]**
   The third part of the workshop will be a brainstorming session to address the repository's open issues. Participants will work together to improve suboptimal solutions for the repository's issues, to design solutions for open issues, and to identify strategies for implementing these solutions.

4. **Summary and invitation to collaborate [5 minutes]**
   The workshop will end with a summary of what was accomplished and participants will be encouraged to explore collaboration opportunities towards continued development of the repository.