exercises: designing systems ofconcepts

reading exercise: syncs

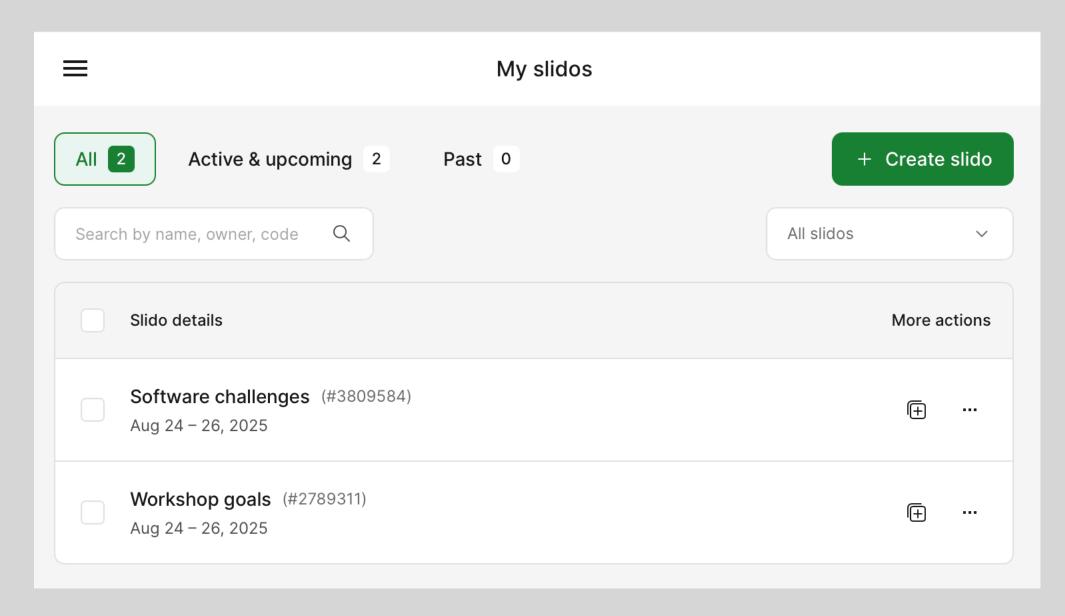
System design reading exercise

Learning about system design by reading concept specs and syncs

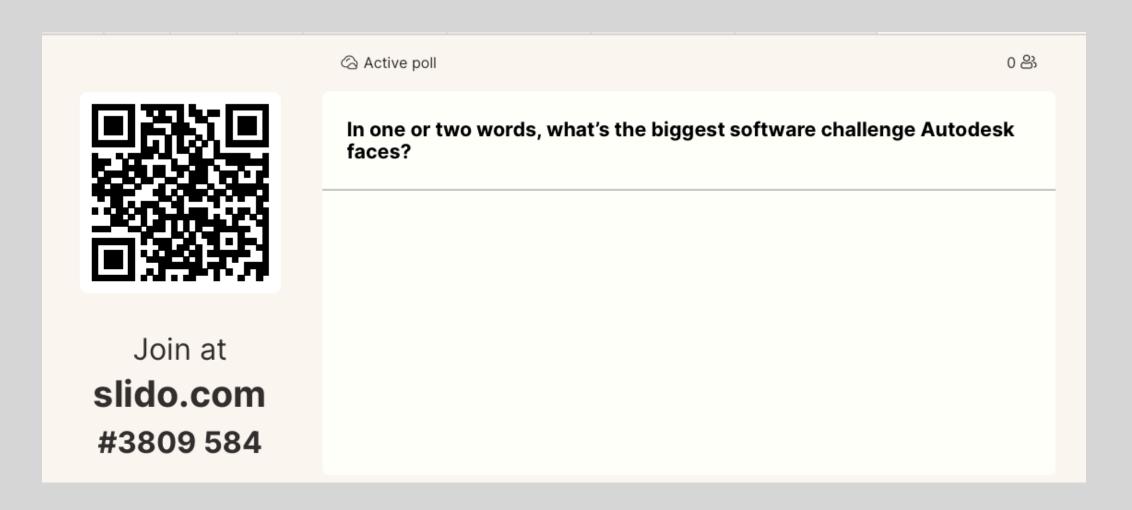
- ▼ Table of Contents
- Concepts
 - A UrlShortening Concept
 - A NonceGenerator Concept
 - An ExpiringResource Concept
 - Some explanatory notes
 - Concept Questions
- Synchronizations
 - Some explanatory notes
 - Synchronization Questions

study the URL shortener concepts and their syncs and answer the questions about them (30 mins)

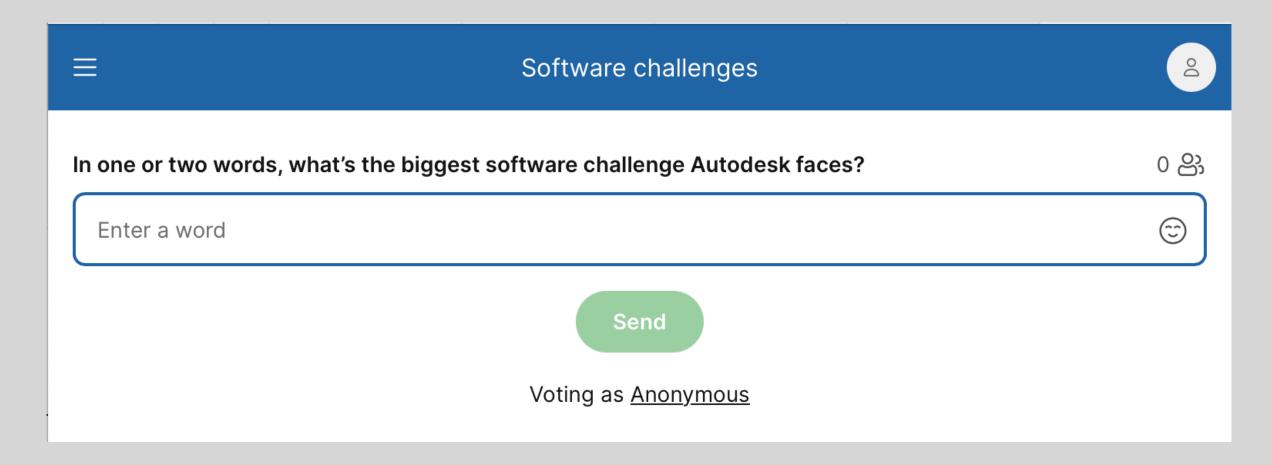
writing exercise: exploring Slido



creating, editing and listing polls



displaying polls links



responding to a poll

writing exercise: exploring Slido

design a simple version of Slido

start by identifying the key features simplify (eg, just one kind of question) outline a handful of concepts write syncs for the essential requests

make your design modular

support variants without changing concepts

- 1. QR code or short/memorable URL
- 2. users have accounts with access to polls or get links to edit/view them
- 3. polls can be left open forever <u>or</u> expire after a fixed time