

# KeePlaces

## problem

## Opportunistic Place Discovery and Curation

Information discovery- and curation-oriented design of web applications can be difficult because the designer needs to determine which features to implement.

## framework

By applying the conceptual framework of information discovery and curation [1] and questioning the design factors presented below, we identified gaps in current tooling for place discovery. We then implemented a corresponding application that aims to close the gaps using its main features highlighted in **green**.

### discovery

#### Information and link representation cues

Visual previews  
Spatial arrangement  
Textual cues

#### Navigation

Arbitrary navigation  
Direct navigation  
Search-based navigation  
Type-based category navigation  
Topic-based category navigation  
Tag-based navigation

#### Integration

Linking  
Visual integration

#### Opportunistic discovery

Novelty  
Serendipity

#### Fact Discovery

Precision  
Recall  
Availability

#### Channel-based discovery

Site subscription  
Subscription to news feed  
User subscription  
Notifications  
Content news feed

#### Rediscovery

History-based rediscovery  
Bookmark-based rediscovery  
Search-based rediscovery

### curation

#### Management

List-based categorization  
Tag-based categorization

#### Preservation

Internal preservation of internal resources  
Internal preservation of external resources  
External preservation of internal resources

#### Augmentation

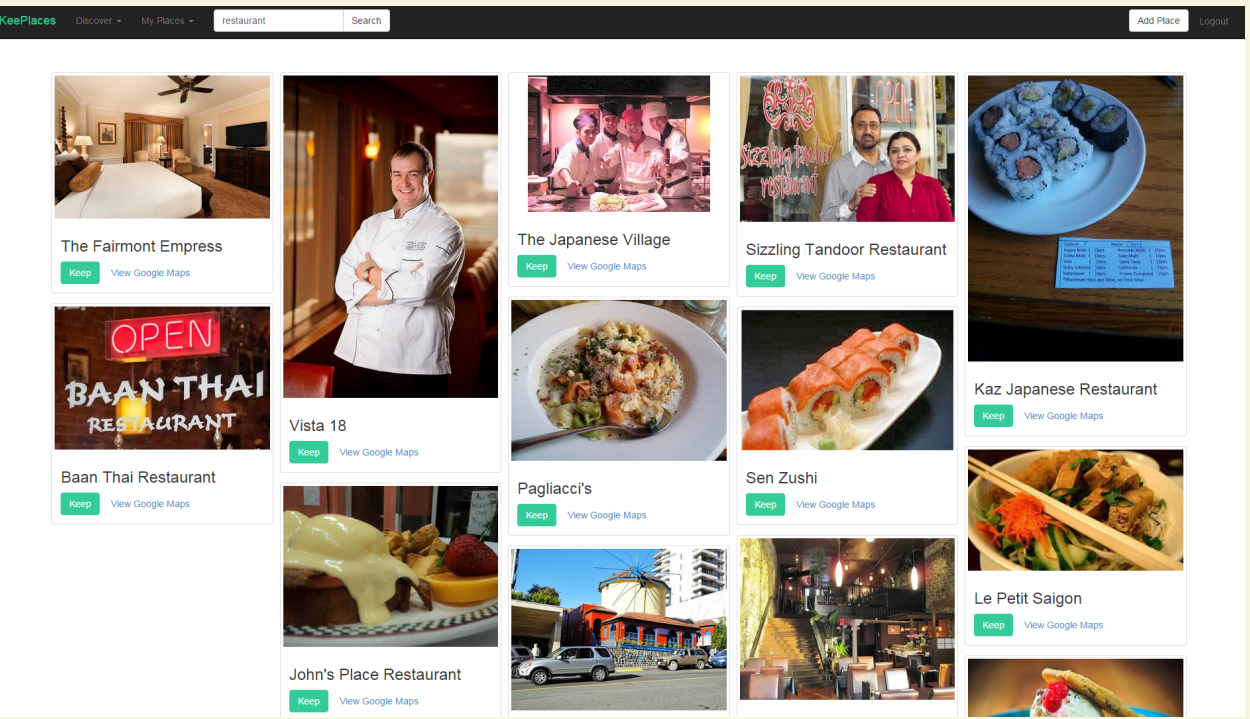
Evaluation  
Annotation

#### Sharing and Collaboration

Adding resources  
Internal sharing  
External sharing

[1] Voyloshnikova, Elena, and Margaret-Anne Storey. "Towards Understanding Digital Information Discovery and Curation." *Proceedings of the 2014 Conference of the Center for Advanced Studies on Collaborative Research*. IBM Corp., 2014.

## application



KeePlaces

The resulting application, KeePlaces, supports opportunistic place discovery and curation by allowing users to curate personal collections of place photos, and discovering and adding new photos for outing planning and inspiration.

## future work

Future work includes introducing **channel-based discovery**, **augmentation**, and **tagging**, as well as improving **sharing** and **collaboration**.

## contact

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