

# VERSE TAXONOMY & SNIPPET REPO DESIGN

## MEET THE TEAM



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## WHO IS EPIC?

**Epic Games** is a video game and software development company headquartered in North Carolina. They are best known for being the developers behind Fortnite, a wildly popular online video game - that utilizes Epic's Unreal Engine gaming software.



In December 2018, Epic launched a creative platform called Fortnite Creative, and later in March 2023, UEFN (Unreal Editor for Fortnite) that enables players of all skill levels to develop their own customized gaming experiences inside of Fortnite, called Islands. On these Islands, players can explore and experience novel gaming content based on the whims of its player creator.

## WHAT IS VERSE?

**Verse** is the programming language created by Epic and used by creators in UEFN for custom Island creation. Developers in the Fortnite community, from skilled game creators to amateurs can use Verse to write their own custom code that facilitates these unique game encounters.



Epic supports player creators with a community website, called EDC (Epic Developer Community). There, creators can learn how to use Epic's products, including Verse, as well as post to a code snippet repository, sharing successful code examples with the community. With guides, tutorials, documentation, and code-sharing options, the EDC is where users can learn about Verse and troubleshoot issues.

## CHALLENGE

While the EDC has a taxonomy that helps to make documents findable on its platform, Verse is still a relatively new concept and is not currently included in it. This makes it difficult for users to find, search and reference information pertaining to Verse on the EDC. Similarly, code sharing on the snippet repository for Verse-related content can be difficult to navigate, search and filter for information, making it hard for users to find, understand and appreciate code posted there.

## SOLUTION

To address these challenges, the project is divided into two core components: **taxonomy** and **user experience design**. By developing specific taxonomy terms for Verse, we aim to enhance the searchability and discoverability of related content. Concurrently, we also are targeting a redesign of the user interface and the enhancement of tools available on the snippet repository to improve the overall user experience. This will facilitate better information management, sharing, and appreciation of code, thereby optimizing both the usability and functionality of the platform.

## APPROACH

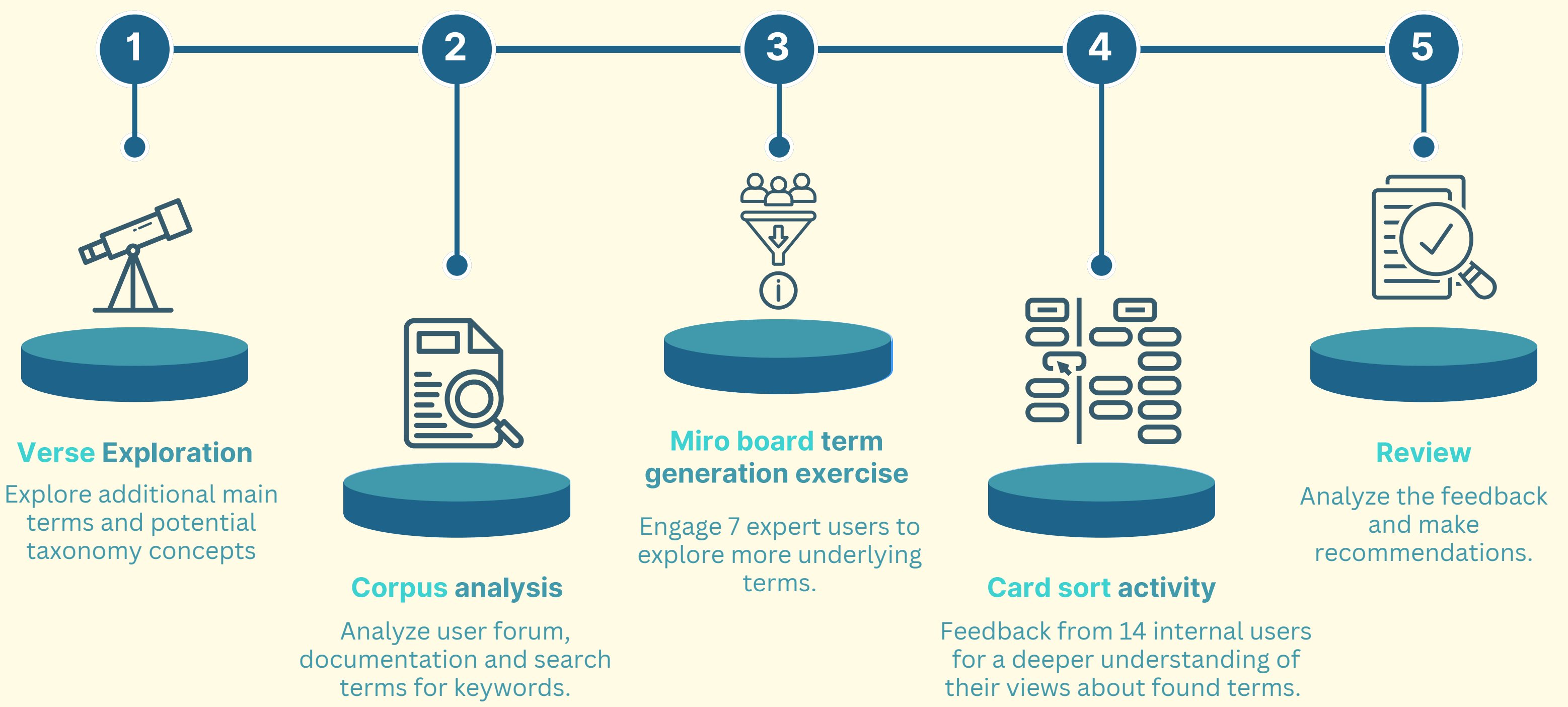
### LITERATURE REVIEW

Gain knowledge and better understanding of issues with taxonomy terms and the efficiency of Snippet webpages.

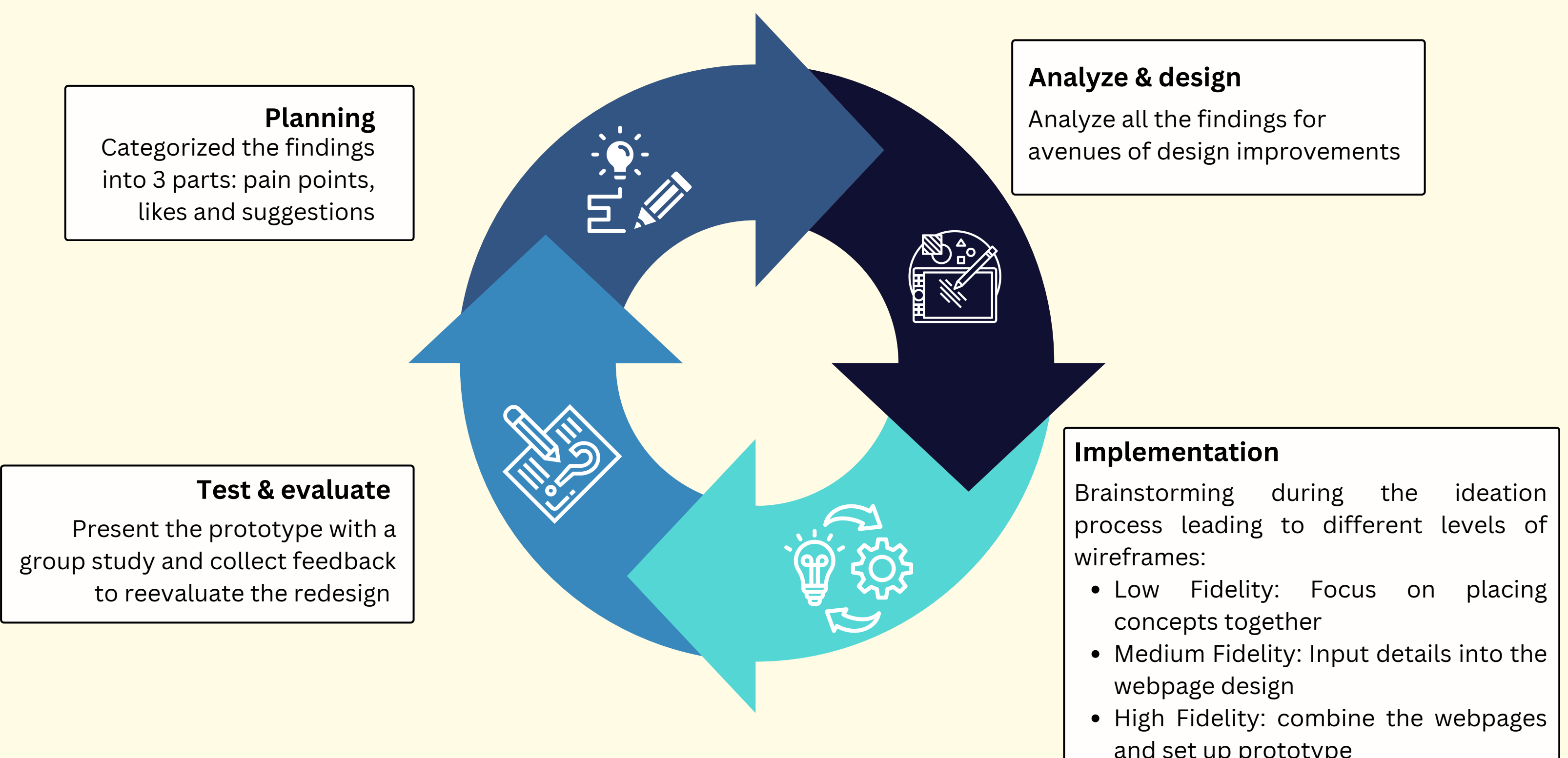
### USER INTERVIEW & USER STUDY

Gather first-hand feedback to gain a deeper understanding of Verse experiences on the EDC from internal users.

## TAXONOMY



## REPOSITORY REDESIGN



## BENEFITS

### MINING TERMS FOR TAXONOMY

- **Reflects common language usage:**
  - Increased user-tagging
- **Ensures relevance:**
  - Increase user tagging & click-through rate on tags
- **Supports information retrieval:**
  - Decreased time to retrieve code snippets

### REPOSITORY REDESIGN

- **Enhanced User Experience (UX)**
  - Increased average session duration
  - Increased click-through rate
  - Increased user engagement
  - Decreased time to post a snippet
- **Improve Content Organization**
  - Increase developer productivity time
  - Decreases indirect costs
  - Decreased time to post a snippet
  - Decreased time to retrieve code snippet