



Introduction

What is Oppia?

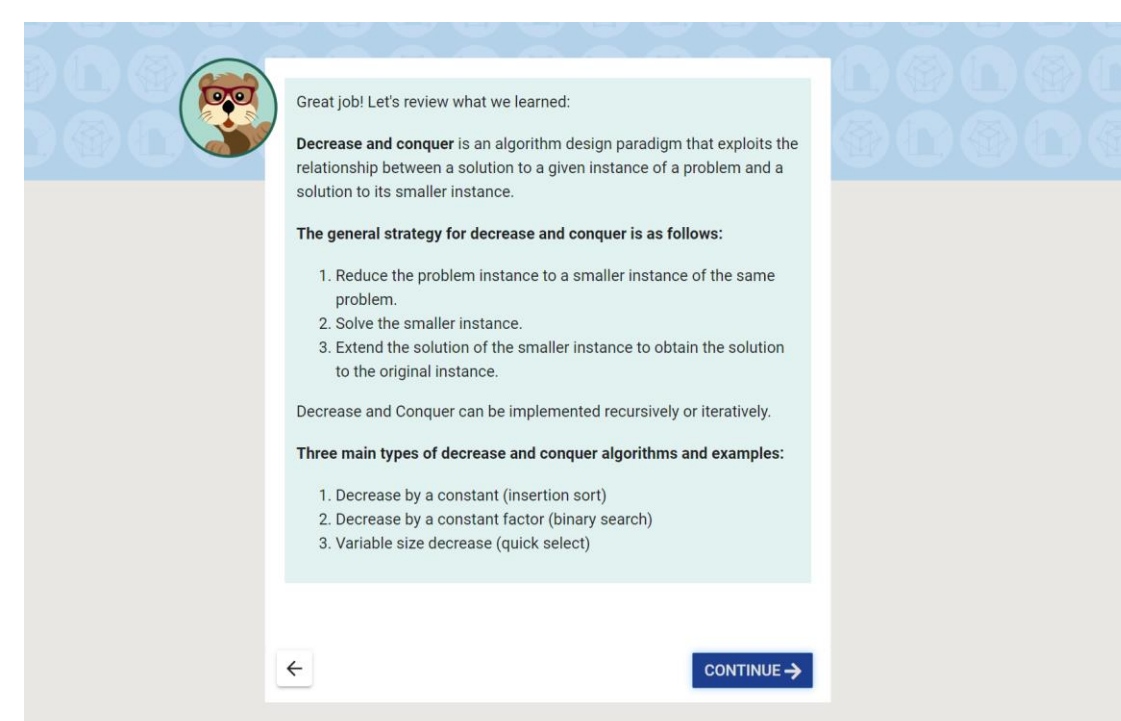
- A free, open-source, and accessible online learning platform.
- Allows community members to both take and create free lessons, called explorations, on a variety of topics.

Oppia's Mission

- Promotes the idea of equal access to education to "rejuvenate communities, increase economic growth, and disrupt the cycle of poverty."
- Designed to specifically meet the needs of under-resourced learners around the world.

Special Features

- Engaging, effective, and widely accessible lessons.
- Lessons are "story-based" and conducted as if the student and instructor are having a 1-on-1 conversation.
- Mobile friendly navigation.
- Low bandwidth required to connect.
- Audio subtitles and translations to local dialects available.
- Provides personalized and helpful feedback to keep users engaged.



Contributions and Achievements

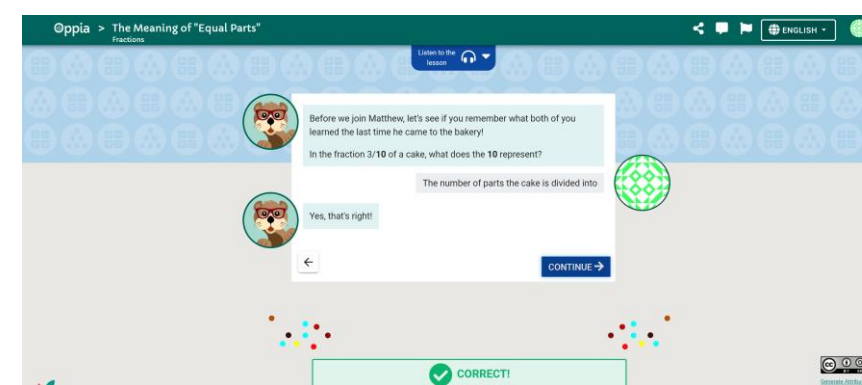
ISSUE #6193: Fix the display of CORRECT! message Merged

Description/Background

This issue aims to improve the user interface of Oppia's exploration page. The display of the message box for correct answer was skewed to the left on both the web browser and mobile interfaces.

Solution

Modify CSS conditions for the message box and adjust the display on mobile version.



ISSUE #10700 – Refactor all migrated factories to model.ts files in angular (HintObjectFactory) Merged

Description/Background

Oppia is refactoring the codebase from AngularJS to Angular. In the former, object factories were used. With the migration to Angular, these factories are being refactored into Typescript classes.

Solution

Change the factory file to a Typescript class by removing AngularJS imports and by making some methods static. Then go through the entire codebase to refactor each instance of the factory.

```
- let displayedValue = [hintObjectFactory.createFromBackendDict({
+ let displayedValue = [Hint.createFromBackendDict({
```

ISSUE #14219 – Increase Per-File Backend Test Coverage Merged

Description/Background

The goal of this issue is to write tests so that every backend code file is fully covered by its associated test file. We call this "100% per-file coverage."

Solution

```
SUMMARY OF TESTS |
SUCCESS core.domain.learner_goals_services_test: 7 tests (7.3 secs)
Run 7 tests in 1 test class.
All tests passed.
INCOMPLETE PER-FILE COVERAGE (00.0%): core.domain.learner_goals_services_test
Name      Stats  Miss Branch DefPart  Cover  Missing
core/domain/learner_goals_services.py  47    0   16     1   99%  111~weir
TOTAL                                47    0   16     1   99%
```

Write a coverage test

```
SUMMARY OF TESTS |
SUCCESS core.domain.learner_goals_services_test: 8 tests (8.9 secs)
Run 8 tests in 1 test class.
All tests passed.
core/domain/learner_goals_services.py  47    0   16     0  100%
```

ISSUE #12912 – Fix Pylint Problems

Description/Background

The issue asked contributors to enable pylint rules that were disabled during a Python 3 migration. The particular rule that was investigated was cyclic-import, which causes an error when a circular import is used.

Solution

Use conditional statements to prevent error-producing imports to run.

```
29 - from core.domain import caching_services # pylint: disable=invalid-import-from # isort:skip
30 - from core.platform import models # pylint: disable=invalid-import-from # isort:skip
31 -
32 - # TODO(#14537): Refactor this file and remove imports marked
33 - @ -37,6 +36,7 @@
34 -
35 - if MYPY: # pragma: no cover
36 -     from mypy_imports import config_models
37 -     from mypy_imports import suggestion_models
38 -     from core.domain import caching_services # pylint: disable=invalid-import-from # isort:skip
```

Summary & Reflection

Summary of Achievements

- Pull requests: 5 merged; 3 open.
- Cleaned up issue tracker by suggesting to close stale bugs.
- Established ourselves as members of the Oppia community by commenting on issues, opening PRs, and asking questions in discussion forums.

Challenges

- The developer install process was tedious and time consuming.
- Automatic tests took anywhere from 10 minutes to 3 hours to run, making progress slow.
- Issues were sometimes mislabeled as "good first issues" and there were a limited number of approachable issues.
- Numerous technical errors were encountered when working through issues with little help to resolve them.

What We Learned

- Basics of Typescript, Angular, and AngularJS as it is used in both small and large-scale projects.
- To effectively read documentation on the infrastructure of a large project about its codebase and testing procedures.

Free Education for Everyone

Engaging and effective quality education for all

Browse our Lessons

Access the Android app