The `uassign` package

Nathan Esau

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Overview

Description

The purpose of the `uassign` package is to provide simple question and solution style environments for typesetting university assignments. The `uassign` package was designed with the following objectives in mind:

- *Simplicity*: `uassign` package is small and easy to modify
- *Hide environments*: Ability to produce a question sheet (questions only) and a solution sheet (solutions only) or both. This is done by passing the `hidequestions` or `hideanswers` option to the package.
- *Flexibility*: The `uassign` package doesn't create conflicts with other packages, such as `hyperref` when included. Commands which could cause conflicts with other packages are used only when certain options are passed to the `uassign` package.

Features

Environments

Environment	Description
`question`	Assignment questions
`solution`	Assignment solutions
`example`	Illustrative examples
`exsolution`	Solution to examples
`definition`	Definitions for terms

Table 1: Environments provided by `uassign`

Commands

Command	Description
`\ientry`	Bold-faced index entry

Table 2: Commands provided by `uassign`

Options

Option	Description
`hidequestions`	Hide `question`
`hideanswers`	Hide `solution`
`assignheader`	`fancyhdr`
`notesheader`	`titlesec`, `fancyhdr`
`links`	`hypersetup` format

Table 3: Options provided by `uassign`

Packages used

Package(s)	Usage
`ifthen`	Processing options
`hyperref`	Hyperlinks in pdf
`bookmark`	pdf bookmarks
`color`	Color links
`enumerate`	Options for `enumerate`
`amsmath, amsthm`	Math typesetting
`fancyhdr`	Format top of page header
`titlesec`	Format section, chapter

Table 4: Packages used by `uassign`

Demonstration

question environment

```
\begin{question}
What is the answer to life?
\end{question}
```

---

1. What is the answer to life?

---

solution environment

```
\begin{solution}
The answer is 42.
\end{solution}
```

Solution:

The answer is 42.

---

example environment

```
\begin{example}
Explain what facebook is.
\end{example}
```

Example 1 Explain what facebook is.

---

exsolution environment

```
\begin{solution}
Facebook is a social media site.
\end{solution}
```

Solution 1 Facebook is a social media site.

---

definition environment

```
\begin{definition}
The \ientry{mean} is the average value.
\end{definition}
```

Definition 1 The **mean** is the average value.
