

Update Style Interfaces to use GeoAPI Filter

Motivation:	Avoid deprecated messages using Style interfaces
Contact:	Jesse Eichar
Tracker:	
Tagline:	Keeping stylish

This page represents the **current** plan; for discussion please check the tracker link above.

Description

Avoid deprecated messages

- "Style" interfaces still use `org.geotools.filter.Filter` ..
- There is an existing bug report about removing all use of `geotools Filter`

Status

This proposal is in response to an email from Jessie. We would like the uDig code to be deprecation free (it serves as a very valuable test of GeoTools API stability if and only if it is possible to do everything without using deprecated code).

- [Andrea Aime](#) +1
- [Jody Garnett](#) +1
- [Justin Deoliveira](#) +1
- [Chris Holmes](#) +1
- [Simone Cimacchini](#) +0

dynamictasklist: task list macros declared inside wiki-markup macros are not supported

API Changes

BEFORE

This change effects imports; also a good chance to remove old `FactoryFinder` code where it is used to create literals etc...

AnchorPoint.java

```
import org.opengis.filter.expression.Expression;
interface AnchorPoint {
    ...
    void setAnchorPointX(Expression x);
    Expression getAnchorPointX();
    ...
}
```

AFTER

AnchorPoint.java

```
import org.opengis.filter.expression.Expression;
interface AnchorPoint {
    void setAnchorPointX(Expression x);
    Expression getAnchorPointX();
    ...
}
```

This is also a good chance to make sure the FilterFactoryFinder calls are removed:

```
interface AnchorPoint {
    private static final java.util.logging.Logger LOGGER = java.util.logging.Logger
        .getLogger("org.geotools.core");
    private FilterFactory filterFactory;
    private Expression anchorPointX = null;
    private Expression anchorPointY = null;

    public AnchorPointImpl() {
        this( CommonFactoryFinder.getFilterFactory( GeoTools.getDefaultHints() ) );
    }
    /**
     * Creates a new instance of DefaultAnchorPoint
     */
    public AnchorPointImpl( FilterFactory filterFactory ) {
        this.filterFactory = filterFactory;
        try {
            anchorPointX = filterFactory.literal( 0.0 );
            anchorPointY = filterFactory.literal( 0.5 );
        } catch (org.geotools.filter.IllegalFilterException ife) {
            LOGGER.severe("Failed to build defaultAnchorPoint: " + ife);
        }
    }
}
```

Effected Documentation

The follow documentation pages were revised:

- [FilterVisitor Examples](#)