1 Architecture

On utilise le concept des modules. Caractéristiques:

- Spécification
- Implémentation

2 Spécifier la pile

Structure de données stockant plusieurs éléments avec une insertion en first-in first-out, comme une pile de DS à noter #abbrugiati

```
package Piles is
        type Pile is limited private;

        procedure Initialiser(pile out Pile) with
                Post => Est_Vide(pile);

        function Est_Vide(pile in Pile) return Boolean;

        function Sommet(pile: in Pile) return Character with
                Pre => not Est_Vide(pile);

        function Empiler(pile in out Pile; element in Character) with
                Post => Sommet(pile) = element;

        function Depiler(pile in out Pile) with
                Pre => Not Est_Vide(Pile);
                -- Post => Taille(Pile'new) = Taille(Pile'old) - 1;

        function Detruire(pile in out Pile):

end package Piles;
```

3 Tester la pile

```
with Piles; use Piles;

procedure Test_Piles is
        pile: Pile;
begin
        Initialiser(pile);
        Empiler(pile, 'o'); Empiler(pile, 'k'); Empiler(pile, '?');
        pragma assert Sommet(p) = '?';
        Depiler(pile); Depiler(pile); Depiler(pile);
        pragma assert Est_Vide(pile);
end procedure Test_Piles;
```