

# University

## 學校基本資料

### 屬性

```

/// <summary>
/// 唯一識別碼
/// </summary>
/// <value></value>
public string UniversityKey { get; set; }
/// <summary>
/// 設立別
/// </summary>
/// <value></value>
public Category Category { get; private set; }
/// <summary>
/// 體系
/// </summary>
/// <value></value>
public EducationSystem EducationSystem { get; private set; }
/// <summary>
/// 父節點識別碼
/// </summary>
/// <value>併校、重組時，該識別碼會寫入新學校識別碼</value>
public string ParentId { get; private set; }
/// <summary>
/// 校務資料庫學校識別碼
/// </summary>
/// <value></value>
public string ExternalId { get; private set; }
/// <summary>
/// 統計處識別碼
/// </summary>
/// <value></value>
public string StatId { get; private set; }
/// <summary>
/// 學校中文名稱
/// </summary>
/// <value></value>
public string ChtName { get; private set; }
/// <summary>
/// 學校英文名稱
/// </summary>
/// <value></value>

public string EngName { get; private set; }
/// <summary>
/// 經營狀態
/// </summary>
/// <value></value>
public UniversityState State { get; private set; }

```

## 建構子

- 確認必填欄位, 目前為設立別、體系、校務資料庫學校識別碼、統計處學校代碼、學校中文名稱、經營狀態

```
public University(Category category, EducationSystem educationSystem
    , string externalId, string statId
    ,string chtName,UniversityState state)
{
    Category = category;
    EducationSystem = educationSystem;
    ExternalId = externalId;
    StatId = statId;
    ChtName = chtName;
    State = state;
}
```

## 行為

- [ ] 確認是否已具備所有邏輯
- 併校
  1. 當前學校會將UniversityKey 寫入 oldUniversities集合各個的ParentId
  2. oldUniversities集合每個經營狀態將改變成UniversityState.Mergered
  3. 資料庫新增當前學校, 同時修改集合oldUniversities屬性

```
public IEnumerable<University> Merge(University[] oldUniversities)
```

- 重組、改制
  1. 當前學校ParentId寫入newUniversity.UniversityKey
  2. 當前學校UniversityState改變為UniversityState.Reorganized
  3. 資料庫新增newUniversity, 同時修改當前學校屬性

```
public University Reorganize(University newUniversity)
```

- 設定ParentId

```
public void SetParentId(string id)
```

- 變更學校狀態

```
public void ChangeState(UniversityState state)
```