

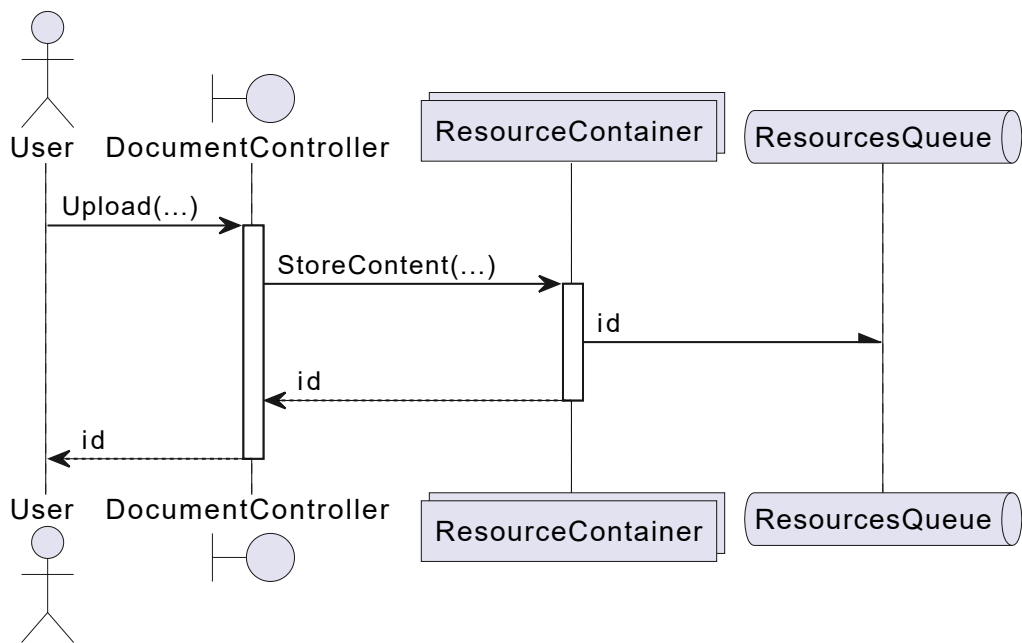
# Document Search

## Summary

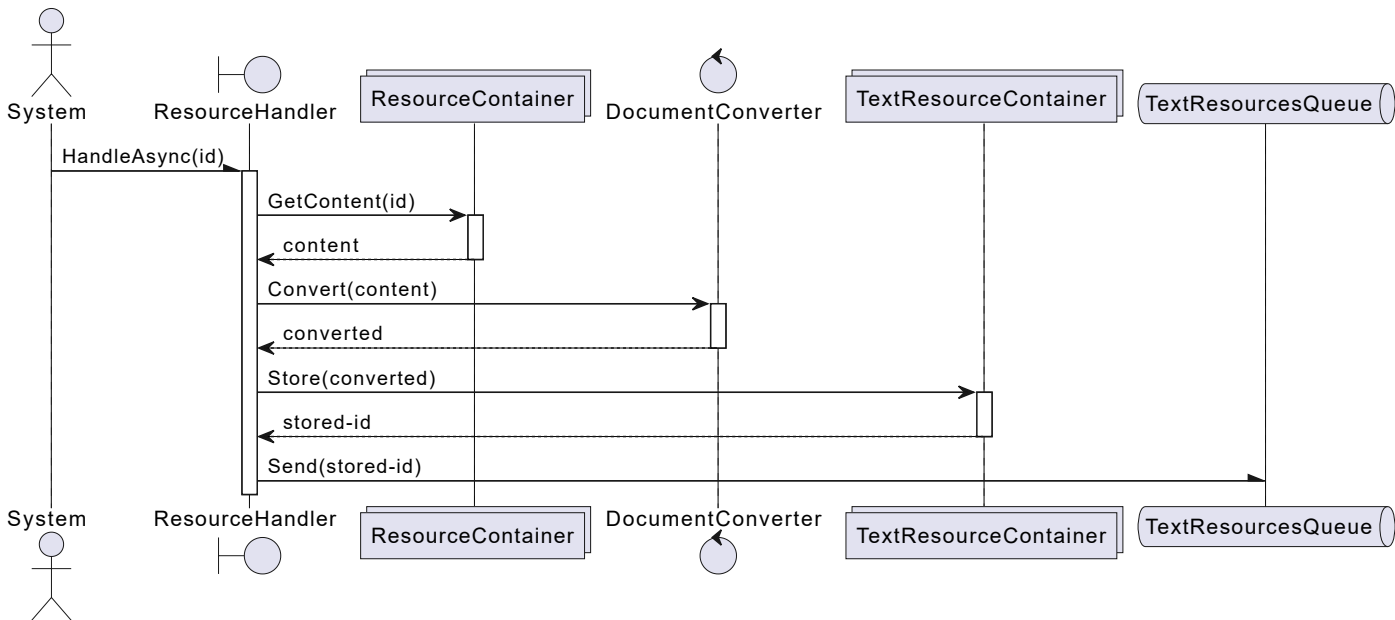
This is a simplified design for an semantic search engine

## Actions

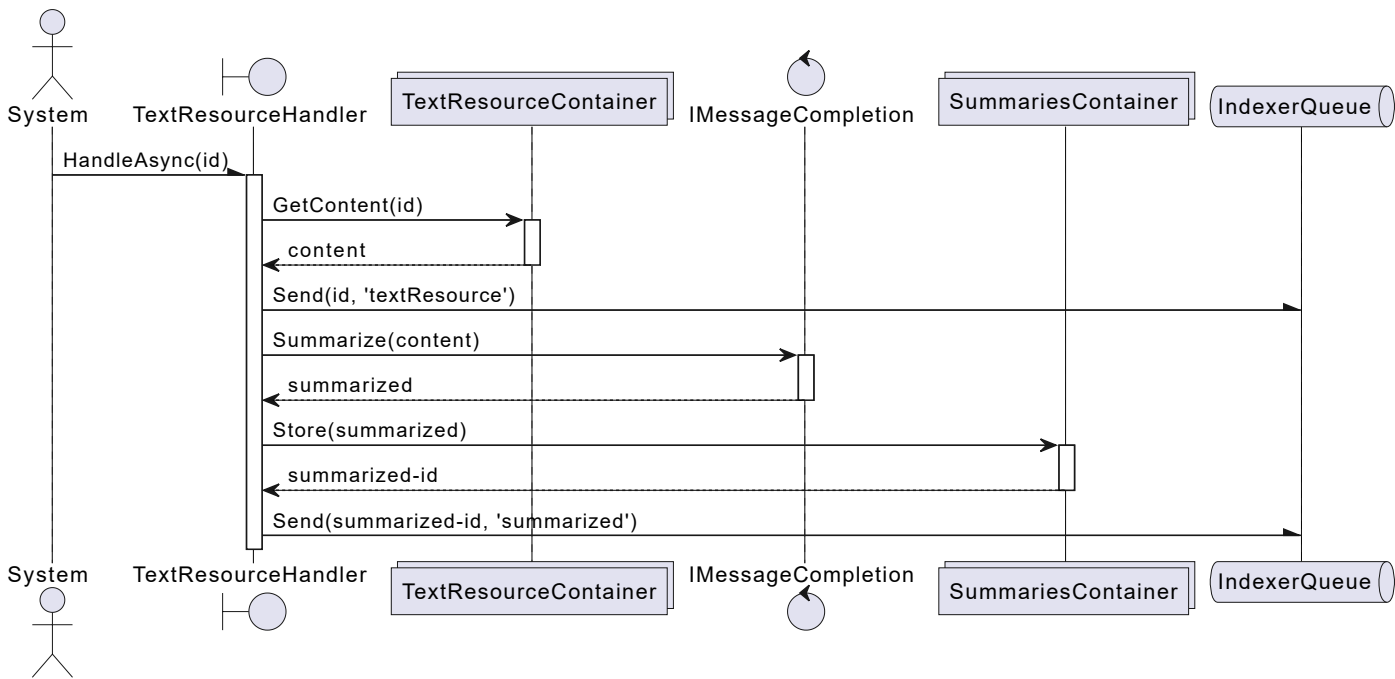
### Upload File Process



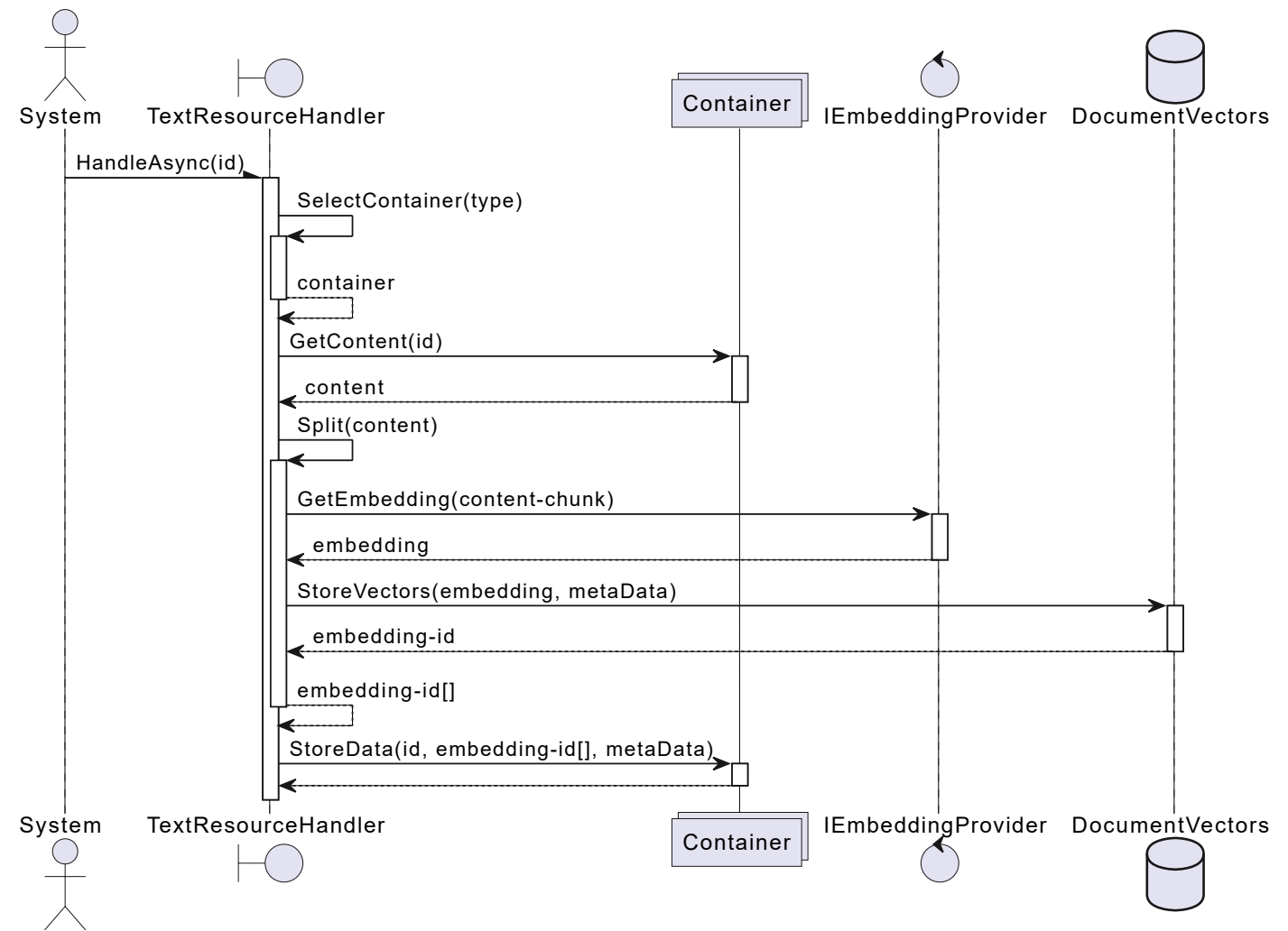
### File Uploaded (Resource Handler)



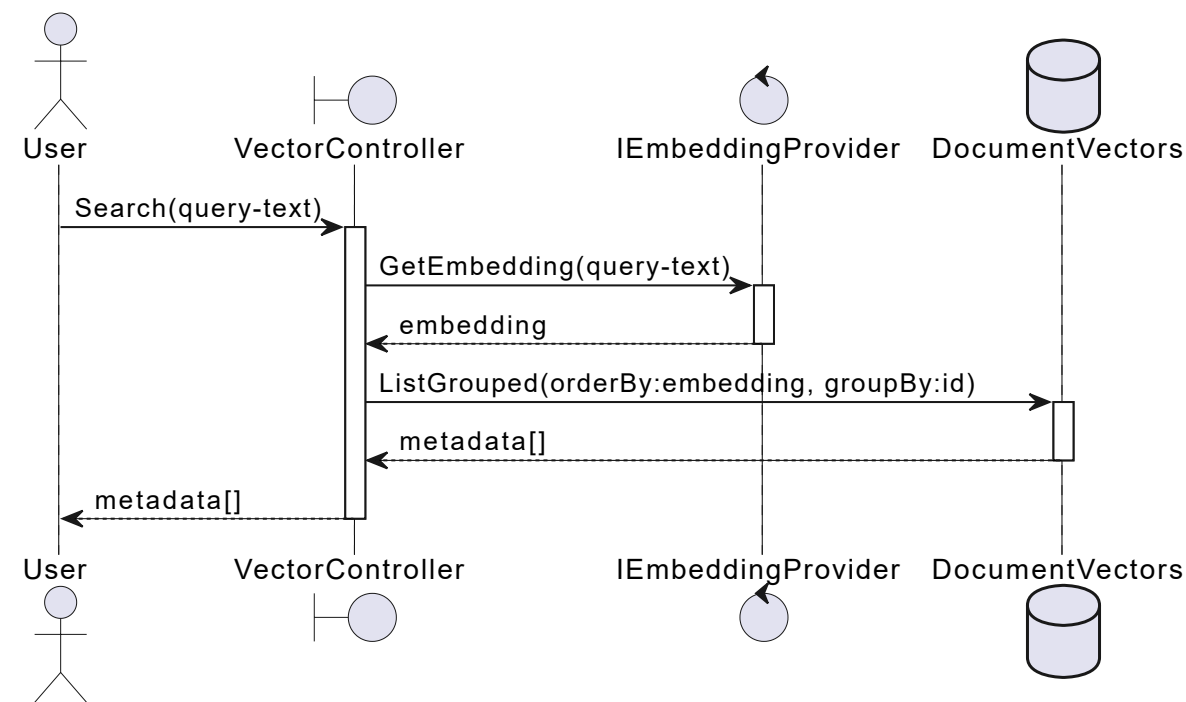
File Converted (Text Resource Handler)



Content Indexer (Index Handler)



### Content Search



# Controllers

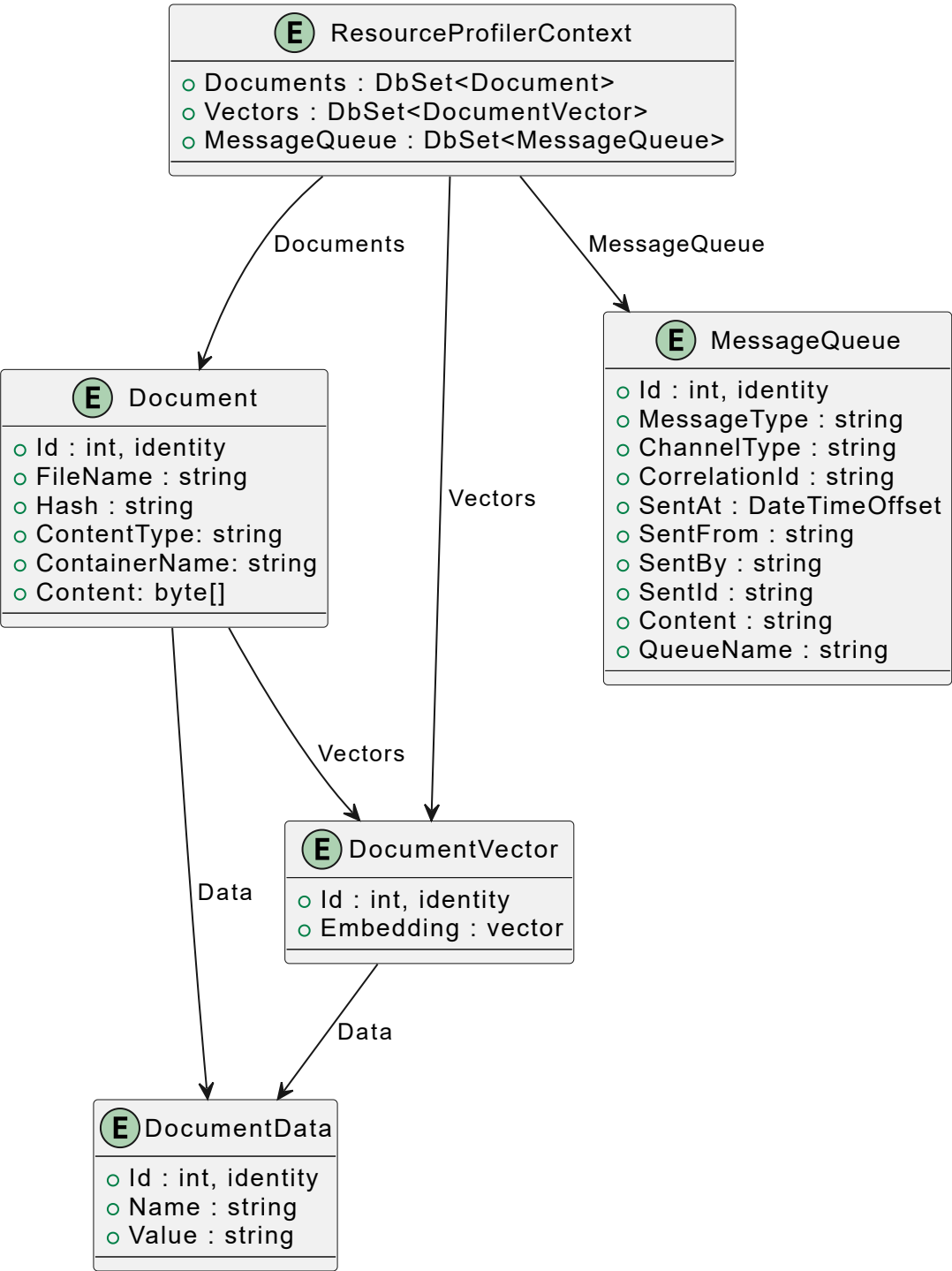
C DocumentController
<ul style="list-style-type: none"><li>List() : ContentMetaDataReference[]</li><li>Download(file:string) : FileStreamResult</li><li>Delete(file:string) : IActionResult</li><li>Upload(content:IFileForm, override:bool) : IActionResult</li><li>Store(model:ContentMetaDataReference) : IActionResult</li></ul>

C SummariesController
<ul style="list-style-type: none"><li>List() : ContentMetaDataReference[]</li><li>Download(file:string) : FileStreamResult</li><li>Delete(file:string) : IActionResult</li><li>Store(model:ContentMetaDataReference) : IActionResult</li></ul>

C TextDocumentController
<ul style="list-style-type: none"><li>List() : ContentMetaDataReference[]</li><li>Download(file:string) : FileStreamResult</li><li>Delete(file:string) : IActionResult</li><li>Store(model:ContentMetaDataReference) : IActionResult</li></ul>

C VectorController
<ul style="list-style-type: none"><li>List() : SearchResultModel[]</li><li>Query(embedding:float[]) : SearchResultModel[]</li><li>QueryGrouped(embedding:float[], groupedBy:string) : SearchResultModel[]</li><li>Search(query:string) : SearchResultModel[]</li><li>SearchGrouped(query:string, groupedBy:string) : SearchResultModel[]</li></ul>

# Entity Diagram



Database

