**Project BookShelf – Mobile App for vOSE**

**Sponsor:**

* Company Sponsor: Alan Ren, VMware
* Company Mentor: Derek Wang, VMware

**Background:**

Collaboration between UM-SJTU Joint Institute and VMware Shanghai R&D center.

* VMware Shanghai Team will assign dedicate engineer as a mentor.
* Students need to discuss with the mentor on the tasks and deliverables and need to work as planning until deliver the project deliverables.

VMware Cloud Provider Software Business Unit

* Develop technology which, along with VMware's market leading private cloud technologies, enable SPs to deliver the heterogeneous clouds and services of tomorrow.

VMware just announced an object storage extension product for VMware vCloud Director platform, called vCloud Director Object Storage Extension (vOSE). Object storage has very wide usage, in backup, archiving web static content, and so on. This project is to develop a mobile app BookShelf to demonstrate object storage’s use case in end-user space. The BookShelf app can be developed for either Android devices or iOS devices. With this app, end users can upload, download, share and read books in the secure way.

**Purpose:**

Develop a vertical solution BookShelf to demonstraute vOSE’s usage in cusumer space.

**Expected Deliverables**:

* A BookStore app can be installed to Android or iOS devices.
* The BookStore uses S3 API for data store and connects to a dedicated vOSE server.
* The mobile user can upload a book (in pdf or txt), download a book and read a book.
* Two mobile users can share one book for reading to each other.

**Team:** Students with the following skills are encouraged to apply:

* Familiar with mobile app development.
* Master in either Android or iOS programming.

**Benefit to Students**

* Arm with a great company brand, “VMware”, for advancing your career.
* Learn real project development before really go outside of university and entering your career path.
* Get In-depth knowledge on web development and cloud infrastructure, etc.