

Introduction to Software engineering CS455

Easy Cloud

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Motivation

To create an application which can be used to store and fetch data, by merging the services of various cloud storage systems, thus appearing to the users as a unified cloud platform.

Technologies

- Backend
 - Apache2, PostgreSQL, PHP5, cURL
 - (S)FTP servers
- UI
 - Twitter Bootstrap, HTML/PHP5
- Third party APIs
 - Dropbox, Google Drive, Box.net, SkyDrive

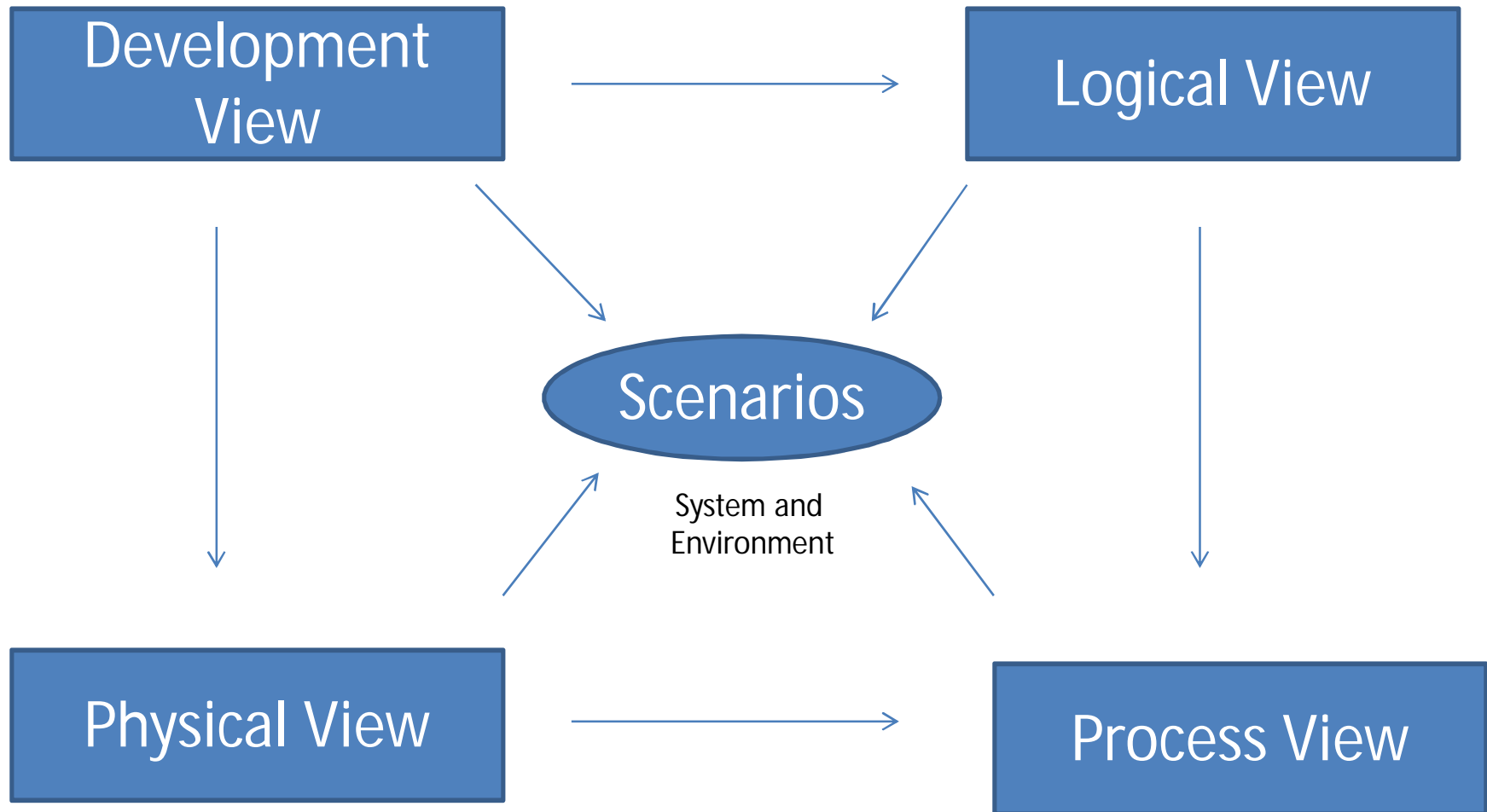
Scope

Replacement to the paid services (for more storage) provided by various cloud storage systems

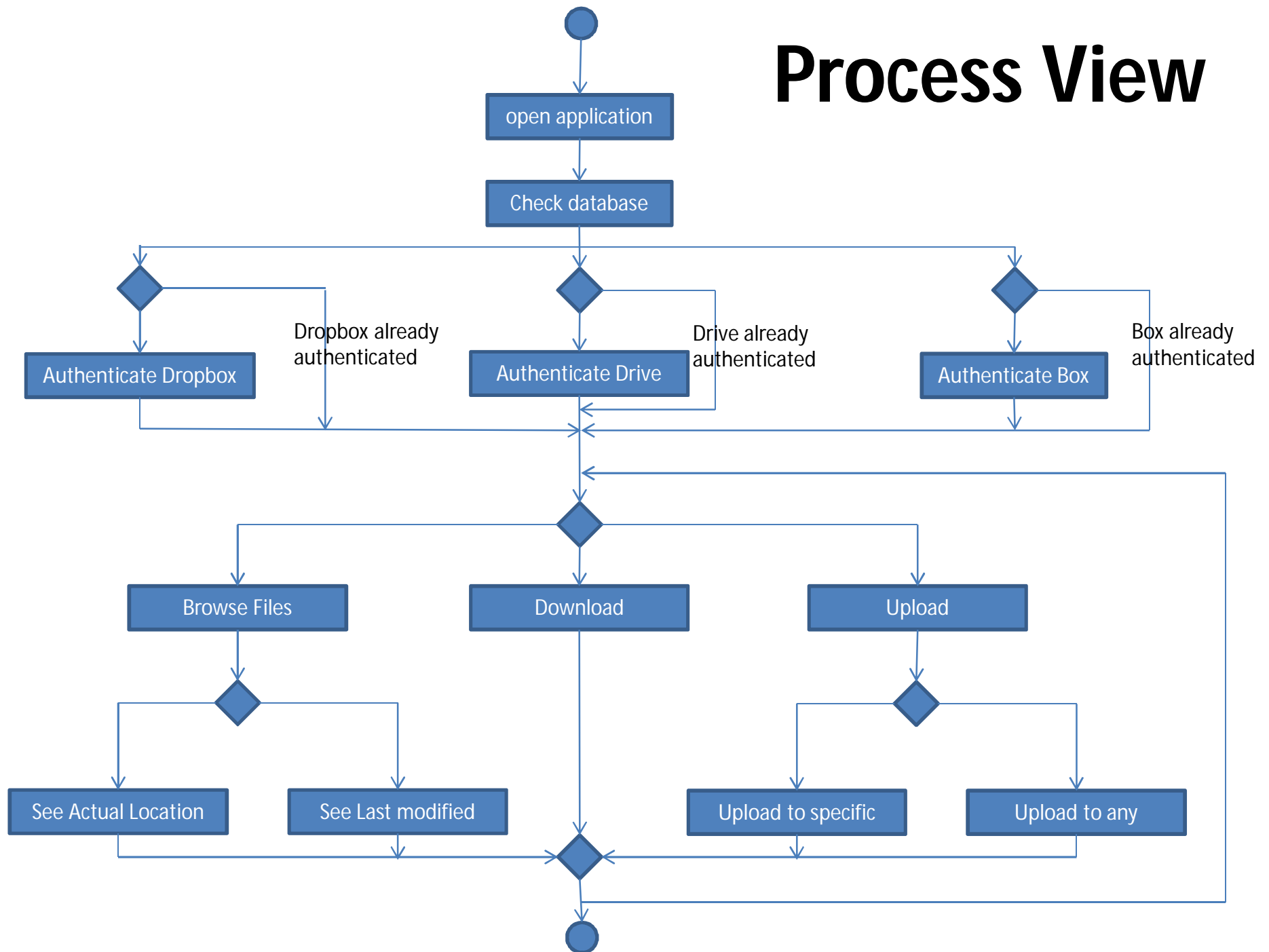
Data Management

- Upload files
- Download files
- Browse file list
- See actual location of the file
- Save a particular file in a specific cloud storage service

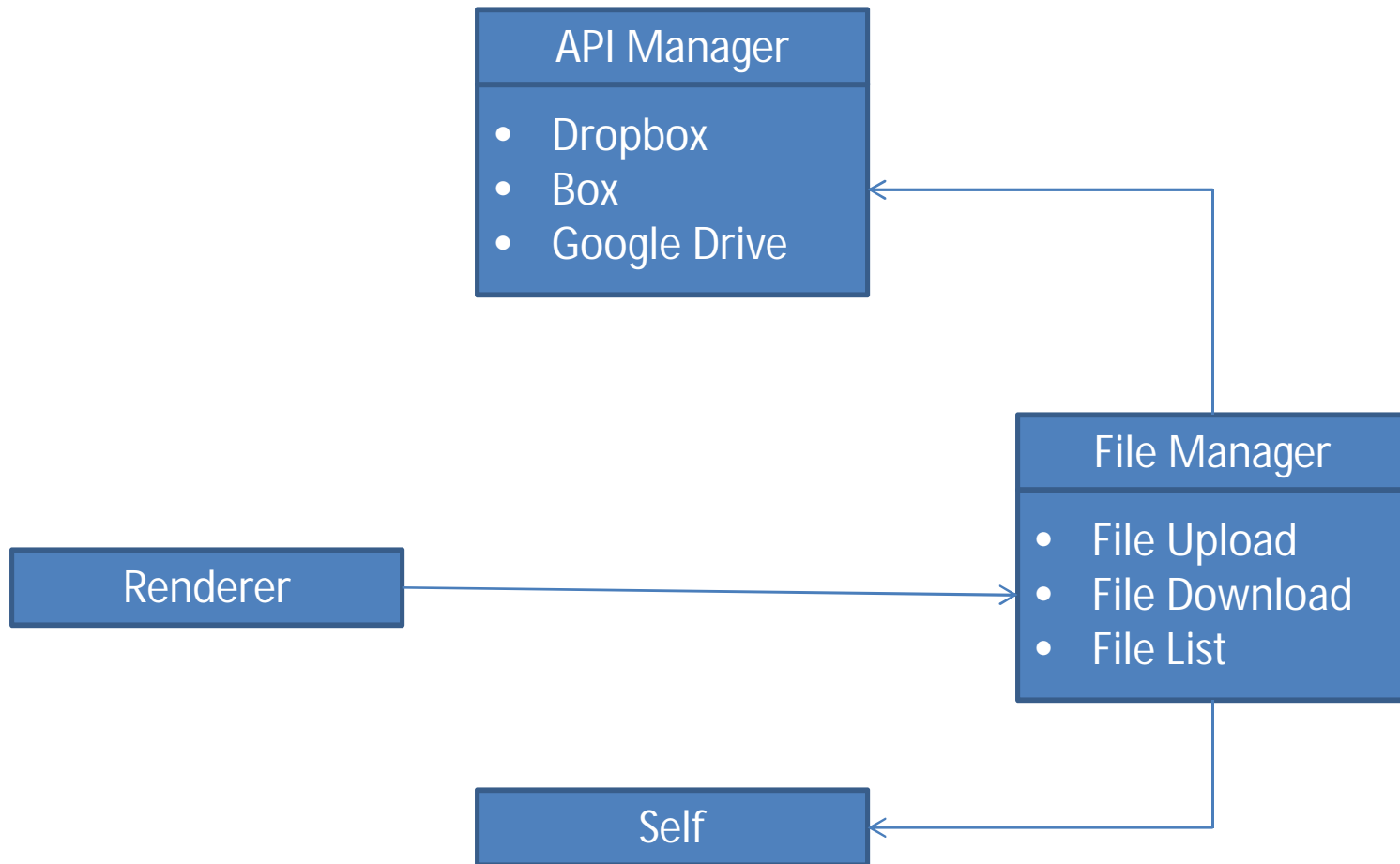
4+1 Architectural Model



Process View

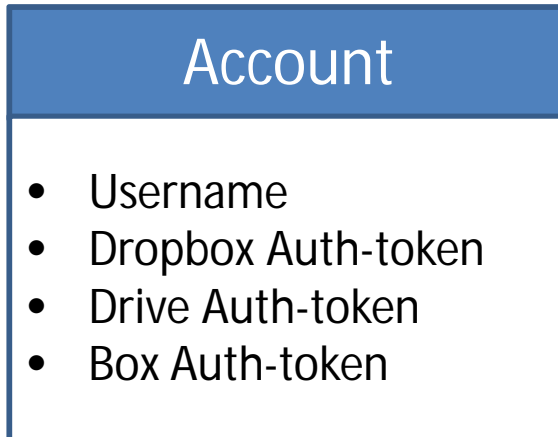


Development View

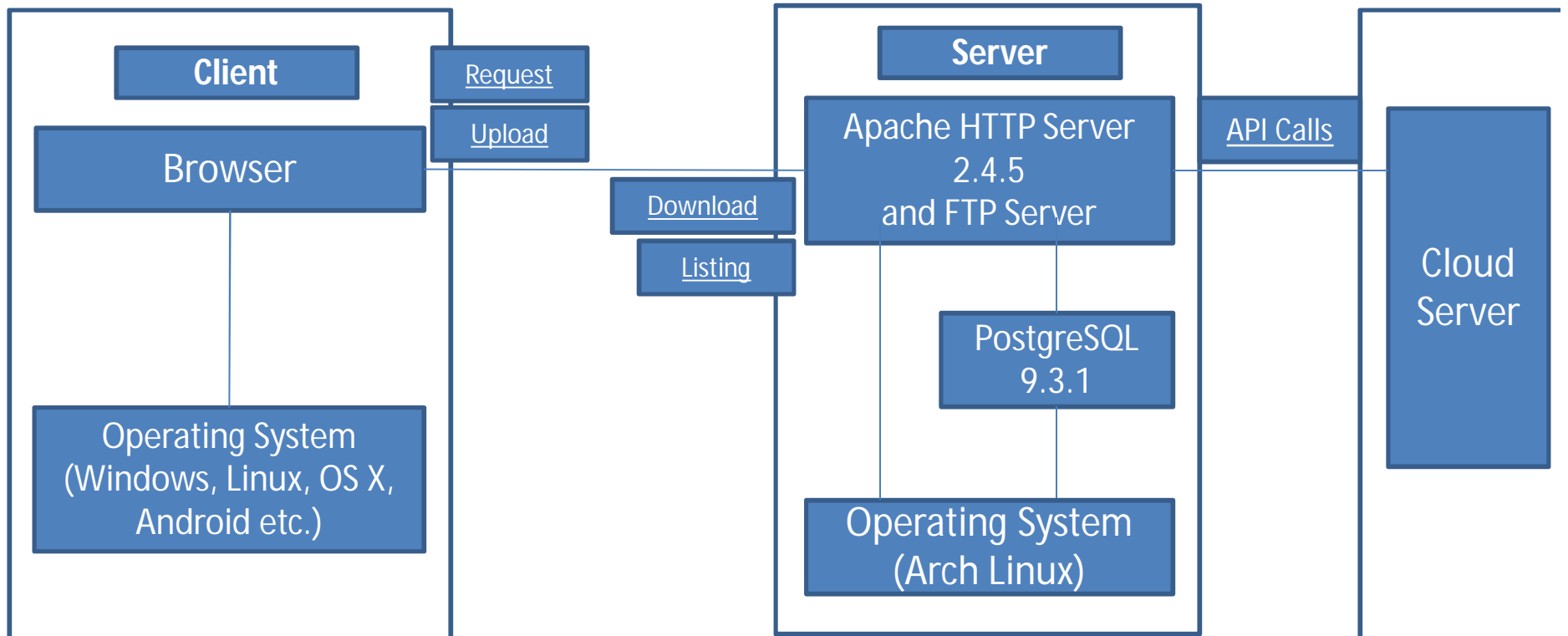


Development View

(Database Design)

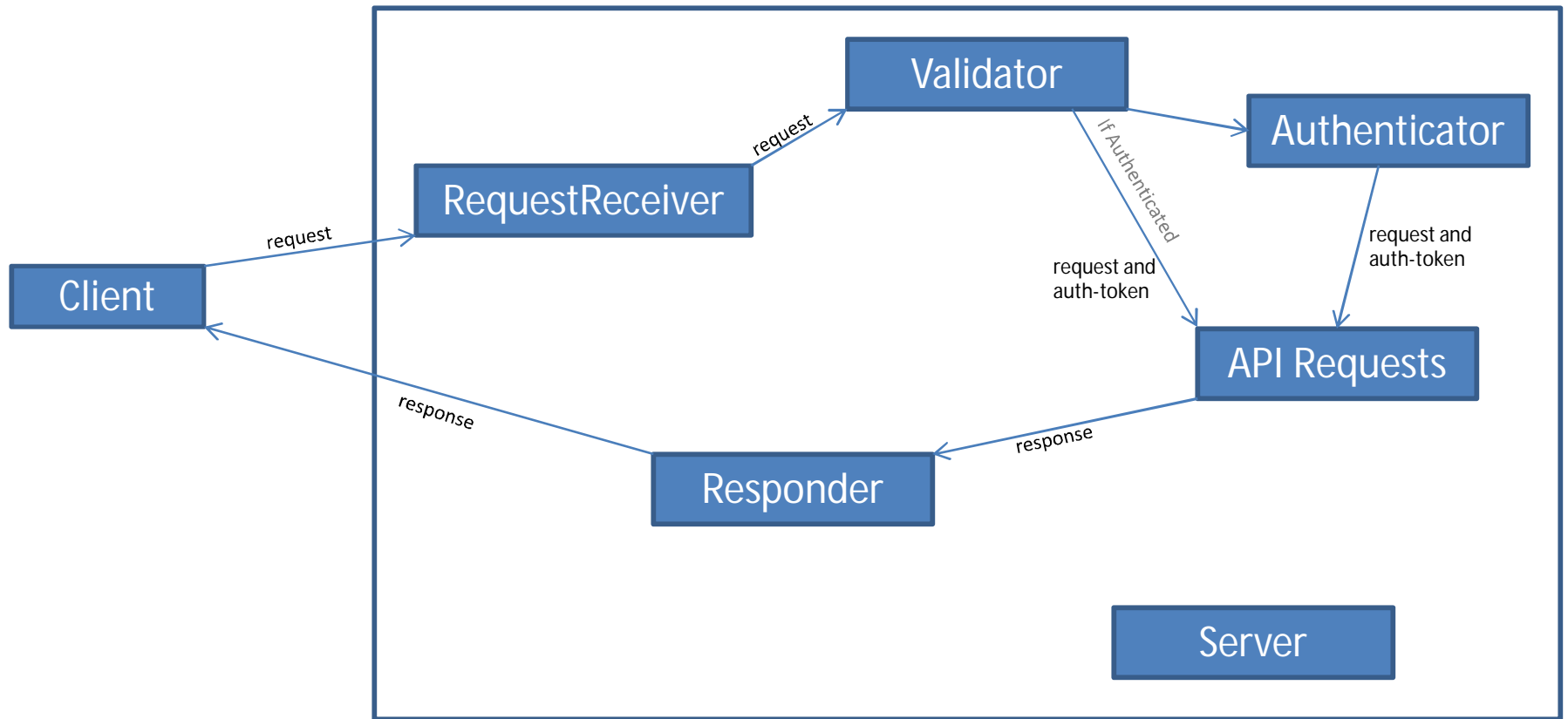


Physical View

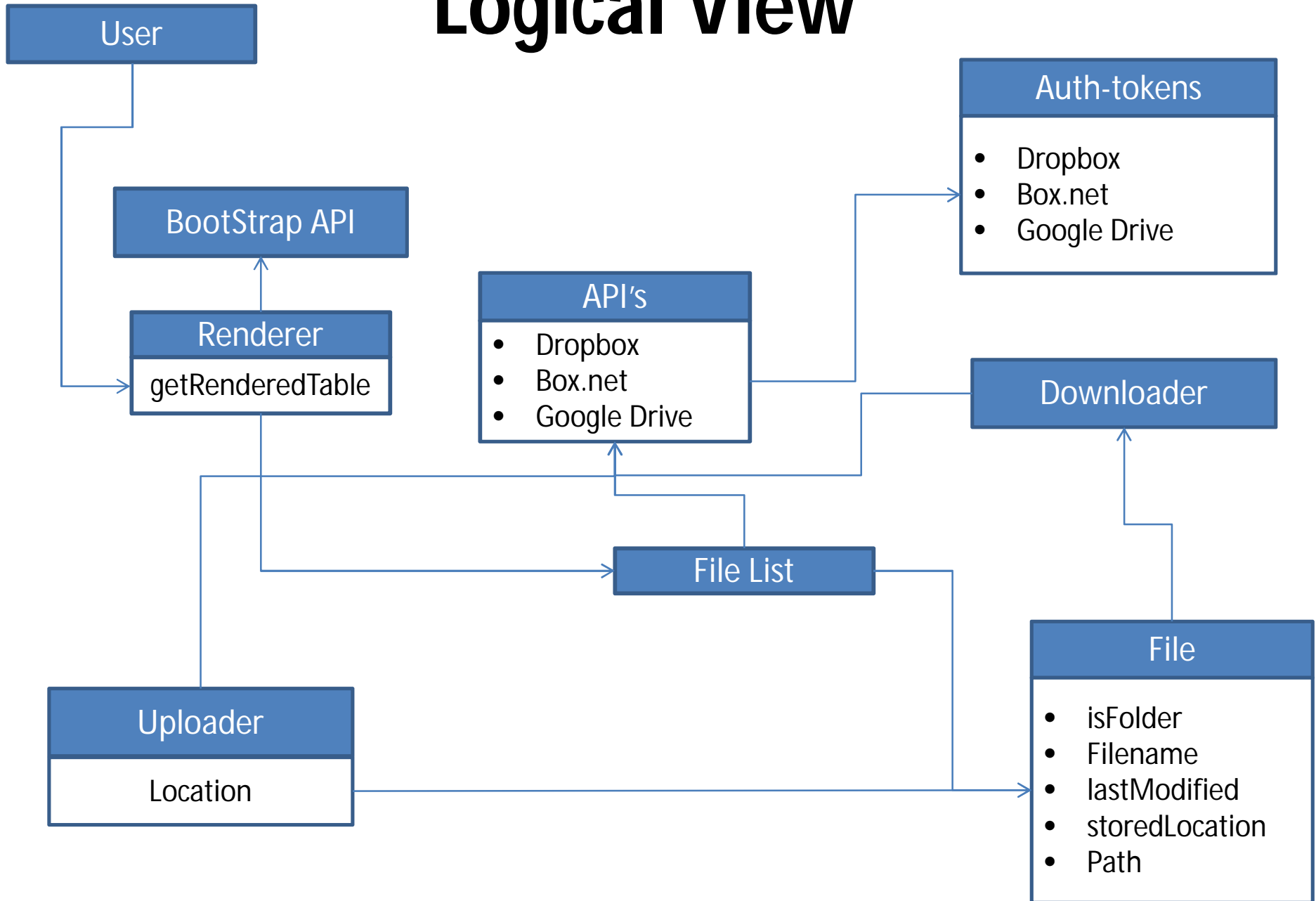


**Client and Server can also be on the same machine.*

Logical View



Logical View



Current UI



Files/Folders	Stored at	Last modified
/ACA	Dropbox	Wed, 28 Nov 2012 16:35:50 +0000
/books	Dropbox	Tue, 15 May 2012 22:50:05 +0000
/Camera Uploads	Dropbox	Mon, 25 Mar 2013 05:41:28 +0000
/Codes	Dropbox	Fri, 20 Jul 2012 06:07:33 +0000
/CS365	Dropbox	Sat, 25 Feb 2012 17:45:37 +0000
/dropbox-python-sdk-1.5.1	Dropbox	Sat, 02 Mar 2013 12:27:43 +0000
/mailer	Dropbox	Wed, 05 Dec 2012 14:13:55 +0000
/mailer_93.zip	Dropbox	Sat, 16 Mar 2013 15:10:55 +0000
/Parie	Dropbox	Mon, 06 May 2013 19:22:16 +0000
/paris 18 may	Dropbox	Sun, 19 May 2013 06:47:46 +0000
/Paris 19 May	Dropbox	Thu, 23 May 2013 08:40:48 +0000
/Paris Pics	Dropbox	Mon, 03 Jun 2013 18:48:54 +0000
/Photos	Dropbox	Wed, 27 Jul 2011 14:40:36 +0000
/PICS Paris	Dropbox	Thu, 23 May 2013 08:36:47 +0000
/Programming Stuff	Dropbox	Mon, 23 Sep 2013 15:47:57 +0000
/psycho	Dropbox	Sun, 30 Dec 2012 06:49:58 +0000
/Public	Dropbox	Wed, 27 Jul 2011 14:40:36 +0000
/share	Dropbox	Mon, 16 Jan 2012 04:11:06 +0000
/SWISS	Dropbox	Thu, 25 Jul 2013

Current UI

/Paris 19 May	Dropbox	Fri, 23 May 2013 08:40:48 +0000
/Paris Pics	Dropbox	Mon, 03 Jun 2013 18:48:54 +0000
/Photos	Dropbox	Wed, 27 Jul 2011 14:40:36 +0000
/PICS Paris	Dropbox	Thu, 23 May 2013 08:36:47 +0000
/Programming Stuff	Dropbox	Mon, 23 Sep 2013 15:47:57 +0000
/psycho	Dropbox	Sun, 30 Dec 2012 06:49:58 +0000
/Public	Dropbox	Wed, 27 Jul 2011 14:40:36 +0000
/share	Dropbox	Mon, 16 Jan 2012 04:11:06 +0000
/SWISS	Dropbox	Thu, 25 Jul 2013 20:34:30 +0000
/Switzerland	Dropbox	Mon, 24 Jun 2013 11:15:14 +0000
/test2.txt	Dropbox	Wed, 16 Oct 2013 13:01:39 +0000
/working-draft (1).txt	Dropbox	Thu, 05 Sep 2013 07:42:20 +0000
/working-draft.txt	Dropbox	Thu, 05 Sep 2013 07:40:34 +0000
DOC040313notice1.pdf	Box.net	1376029289
PVF.doc	Box.net	1376029294
PVF.pdf	Box.net	1376029298
My document	Drive	2013-10- 17T13:58:06.736Z
My document	Drive	2013-10- 16T19:39:35.740Z
My document	Drive	2013-10- 16T19:25:10.647Z
My document	Drive	2013-10- 16T19:24:10.124Z
My document	Drive	2013-10- 16T19:22:31.592Z
My document	Drive	2013-10- 16T19:20:45.621Z

THANK YOU!