**Computer Science IA Solution Overview (AKA Design)**

**Useful links to video tutorials**

* <https://youtu.be/zid-MVo7M-E> Use case diagrams
* <https://youtu.be/ztZsEI6C-mI> data flow diagrams
* <https://youtu.be/UI6lqHOVHic> Class diagrams

**Text tutorial links**

* <https://www.visual-paradigm.com/tutorials/>
* <https://www.lucidchart.com/pages/tour>
* <https://creately.com/> Go to the footer and check their Business and Technical Diagramming links list.

**Useful software**

Visual Paradigm Community edition, Office suites, Lucidchart, StarUML

* <https://www.visual-paradigm.com/download/community.jsp> You will need to providing your and email address/school email to get a free license to use Visual Paradigm Community edition.
* <https://app.diagrams.net/> Draw.io free full diagram application, online and desktop app available.
* <https://staruml.io/download> You can evaluate it for free with no time limit, similar to visual paradigm.
* <https://www.lucidchart.com/> Online free version, provides a limited storage and number of diagrams, more than enough for our IA. Sign up with your Google account **or** by providing your school email.

**Core CS Textbook:**

* Chapters 1.2.7, pages 35->39; D.1.3 & D.1.4 UML diagrams, pages 294->311