

## IT599: Diagramming

To ensure that your diagramming meets the standards in terms of shapes, design, and other parameters, visit the link below for the kind of project that you are developing. All diagrams must be completed using Microsoft Visio and embedded in your assignments.

### User interface projects – dashboards, mobile apps, websites, kiosk screens, etc.

- Wireframe(s)

Mobile apps need multiple wireframes to show different screens. Other kinds of GUI projects should show the home screen and any main pages/screens that are expected to appear sufficiently different. Ensure that there is sufficient labeling of content areas.

<https://support.microsoft.com/en-us/office/create-a-wireframe-diagram-for-user-interfaces-44c88bac-d924-4bfb-9961-e0cebc3eafaf>

### Database work

- Entity Relationship Diagram (ERD)

Include all entities, PKs, and logical attributes. Use foreign keys and crow's feet to show connections. Some normalization is expected (for example, not repeating addresses in multiple entities). Do *not* use Chen notation.

<https://support.microsoft.com/en-us/office/create-a-diagram-with-crow-s-foot-database-notation-1ec22af9-3bd3-4354-b2b5-ed5752af6769>

### Networking projects

- Network diagram(s), building layouts, etc.

Show where the internet enters the network, use lines for cabling, and make sure to label all images.

<https://support.microsoft.com/en-us/office/create-a-basic-network-diagram-f2020ce6-c20f-4342-84f7-bf4e7488843a>

### Programming and other projects

- Process flowchart(s)

Use standard flowcharting shapes (for example, rectangles for processes, diamonds for decisions, etc.), arrows for flow, one start and one end, etc.

<https://support.microsoft.com/en-us/office/create-a-basic-flowchart-in-visio-e207d975-4a51-4bfa-a356-eeec314bd276>

If you feel your project would benefit from a different kind of diagram instead of one of the above, contact your professor for permission.