**Assignment 1**: Xinformatics (Spring 2025) (10% of course grade)
Due: WEDNESDAY, February 4th 2025 at 10:00 pm ET on LMS or by email.
Please use the following file naming for electronic submission:
**Xinformatics2025_A1_YOURFIRSTNAME_YOURLASTNAME.doc (or .docx)**
>       If you do not have access to Microsoft Office, feel free to create your document using
>       software such as Google docs and exporting it as a Microsoft Word Document (File >
>       download as >Microsoft Word (.docx)).

Late submission policy: First time no penalty, afterwards, 20% of score is deducted for each day
late. After five days late, the assignment will receive a score of 0. An extension of the due date
may be requested prior to the time that the assignment is due for valid reasons (e.g. job
interview or illness).

**Assignment**: Use-case and user requirements development: develop and document an
informatics use case – choose a suitable discipline and topic of YOUR interest, perform the
analysis of the use case, and list the users (actors) and their requirements. The weighting score
for each question is included below.

1. Develop the use case
>       a). Choose an application area in an informatics area – the content and context need not
>       be an advanced area but should have some non-trivial application in it. If you have
>       questions about your chosen area or need some suggestions (including connections
>       with domain experts), please contact your professor(s). Write a minimum of 2-3
>       sentences on why you made your choice.
>
>       b). Scope the use case to be as specific as possible, at least for your first iteration. Min.
>       2-3 sentences on each choice made in scoping.
>
>       c). Document the resources you used in developing the use case, including written and
>       presentation materials and conversations with others. Min. 2-3 sentences per resource.

2. Document the use case using the structure described here for each section including the Use
Case or Activity diagram. This should include filling in the tables at the end of the document with
data, information, and services. Include the completed use case document when you submit
your assignment.

3. Perform an analysis of the use case to determine the user (functional and nonfunctional)
requirements. Provide a ~ paragraph summary of what you did, and include the artifacts you
used (diagrams, links, etc.). Include a list of the functional and nonfunctional requirements along
with which actor(s) they relate to. The requirements should be well formed.

4. Describe how you would evaluate if you could meet the goal of the use case including the
forms of assessment, questions asked, and suggested means of collecting the data. Min. 5-6
sentences.