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ASSIGNMENT 2

Brief summary on differences on Agile Methodology and Waterfall Methodology.

**Agile Methodology (Modern, Flexible Way)**

1. **Iterative and incremental** approach.
2. **Flexible** to changes even late in development.
3. Work is divided into **sprints** or short cycles.
4. **Continuous customer involvement** throughout the process.
5. **Testing is ongoing** during each sprint.
6. Focuses on **early and frequent delivery** of a working product.
7. Encourages **collaboration and team feedback**.
8. Ideal for **projects with evolving requirements**.

**Waterfall Methodology (Traditional Way)**

1. **Linear and sequential** approach.
2. **Rigid** once development begins; hard to make changes.
3. Follows distinct **phases**: requirements → design → development → testing → deployment.
4. **Customer involvement** mainly at the start and end.
5. **Testing happens after development** is complete.
6. Product is delivered **only at the end** of the project.
7. Less emphasis on team collaboration during execution.
8. Best for **projects with clear, fixed requirements**.