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When to use Agile model:

- When new changes need to be implemented. The freedom agile gives to change is very important. New changes can be implemented at very little cost because of the frequency of new increments that are produced.
- To implement a new feature the developers need to lose only the work of a few days, or even only hours, to roll back and implement it.
- Unlike the waterfall model in agile model very limited planning is required to get started with the project. Agile assumes that the end users' needs are ever changing in a dynamic business and IT world. Changes can be discussed and features can be newly effected or removed based on feedback. This effectively gives the customer the finished system they want or need.
- Both system developers and stakeholders alike, find they also get more freedom of time and options than if the software was developed in a more rigid sequential way. Having options gives them the ability to leave important decisions until more or better data or even entire hosting programs are available; meaning the project can continue to move forward without fear of reaching a sudden standstill.

Incremental Model:

If by "incremental model" you mean the iterative process of designing, building, testing and delivering increasing functional versions then it's basically what the Agile software development principles cover (and some before that), so I would guess most software today. Even big companies on the traditional corporate market are using Agile processes. A very good example of a contemporary successful product is Spotify.

Prototyping Model:

Software applications that are relatively easy to prototype almost always involve human-machine interaction and/or heavy computer graphics. Other applications that are sometimes amenable to prototyping are certain classes of mathematical algorithms, subset of command driven systems and other applications where results can be easily examined without real-time interaction. Applications that are more difficult to prototype include control and process control functions, many classes of real-time applications and embedded software.

Component base Model:

E.g Dairy farm management system