

Software Development Methodologies Comparison

	Flexibility	Ease of use	Deals with backlog	Validation / Verification	Score
Waterfall Model	Poor, this model works on a basis of having the previous step completed before it can move on, not a real life process	Average, this model is simplistic in its use however it lacks the ability for change in its process	Poor, this model requires the previous part of development to be completed before it can move on and so it doesn't deal with backlog well	Poor, this model only allows for one set of validation during development and then once for verification which again doesn't work well in real life situations	5/12
Pure Iterative Model	Good, this model can work around unexpected issues and start verification before completion of product	Good, the purely iterative model is simplistic and can change when needed	Average, this model is set in its process and requires some steps to be completed before continuing	Good, this model regularly validates the product and verifies the code in short but useful bursts of development	11/12
V Model	Average, this model regularly tests the work during development however lacks the flexibility of going back a step	Good, the model is straightforward in its approach and has a test driven design which helps with verification of the software	Average, this model is set in its process and requires some steps to be completed before continuing	Good, this model regularly validates the product and verifies the code each time a new development is made	10/12
Scrum Model	Good, this model can work around unexpected issues and start verification before completion of product	Good, the model regularly checks requirements and has a test driven design which helps with verification of the software	Good, as this model regularly checks the requirements and up and coming requirements it handles backlogging very well prioritising and ensuring each item that is backlogged can be executed easily	Good, this model uses a test driven development method and regularly revisits the requirements of the brief to ensure the product is being accurately developed	12/12