**Comparison of various software development models:**

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| **Features** | **Waterfall** | **Iterative** | **Prototyping** | **RAD** | **Spiral** | **Agile** | **V -Model** | **Bigbang** |
| Requirements Specification | Beginning | Beginning | Frequently Changed | Time-box released | Beginning | Frequently Changed | Beginning | Not Required |
| Cost | Low | Low | High | Low | Expensive | Very High | Expensive | Low |
| Simplicity | Simple | Intermediate | Simple | Simple | Intermediate |  | Medium |  |
| Expertise Required | High | High | Medium | Medium | High | Very High | Medium | High |
| Risk Involvement | High | Easily Manage | Low | Very Low | Low | Reduced | Low | High |
| Overlapping Phases | No | No | Yes | No | Yes | Yes | No | Yes |
| Flexibility | Rigid | Less Flexible | Highly Flexible | High | Flexible | Highly Flexible | Little Flexible | Flexible |
| Maintenance | Least Glamorous | Promoted Maintainability | Routine Maintenance |  | Typical |  |  |  |
| Reusability | Limited | Yes | Weak | Yes | High |  | Low |  |
| Documentation Required | Vital | Yes | Weak | Limited | Yes | Yes | Yes | Limited |
| User Involvement | Only at Beginning | Intermediate | High |  | High |  |  |  |
| Cost Control | Yes | No | No | No | Yes | Yes | Yes | No |
| Resource Control | Yes | Yes | No | Yes | Yes | No | Yes | Yes |
| Guarantee of Success | Less | High | Good | Good | High | Very High | High | Low |