SE 315 – SOFTWARE PROJECT MANAGEMENTSOFTWARE PROCESS MODEL DOCUMENT

PROJECT NAME:BrightBorn

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NEED #	NECESSARY NEEDS FROM THE ORGANIZATIONAL PROCESS
	All the members should take Python course in their related area.
	Every end of the week there must be a meeting to discuss to what everyone have done.
	The genetic information that is going to be used for comparing other gens must be sured that it is from a real person.
	Testing must be done after every implementation.
	Everyone must update their implementations on GitHub.
	Due to our project complexity, the estimated time for project is apx. between 3 to 4 months.
	Risks are too much to make any wrong calculations in the probability of sickness.

NEED #	UNNECESSARY NEEDS FROM THE ORGANIZATIONAL PROCESS
	We do not need any devices to embezzle our project members.
	Pair programming won't be needed.
	Frequently contacting with the customers won't be needed due to pre-determined requirements.
	Due to simple design, there won't be much time given for designing processes.

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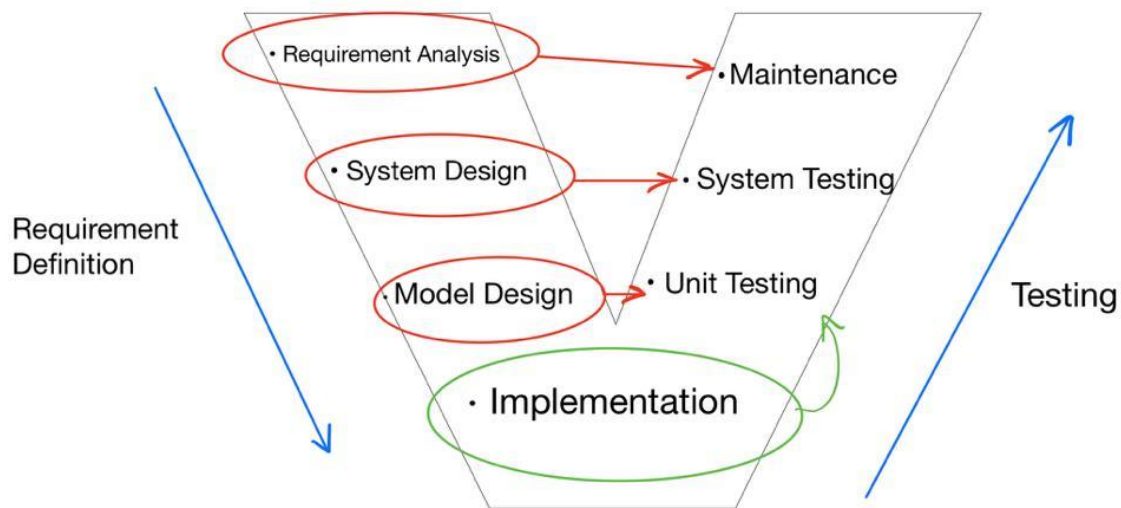| SOFTWARE PROCESS NAME: V Model |
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| **SOFTWARE PROCESS DESCRIPTION:** |
| **In V model the process executes in a sequential manner. For each development activity there is a corresponding testing activity. Before starting the next stage, the previous stage needs to be completed.**
In this V shape; one side contains the design phase and other side contains the corresponding testing phase.
It could be used in small and medium sized projects.
The requirements should be well-defined before starting the software process. |

SOFTWARE PROCESS MODEL:

REASONS TO CHOOSE THIS MODEL:

We choose this model because:
- **The project requirements are clear**
- **Since the program is health related, each stage needs to be carefully designed and tested**
- **Our project is a medium sized project so the V model is appropriate**
- **Since our projects has a dynamic database, after all the stages are finished; maintenance needs to be continuous**
- **Since our project has a high risk potential; this model will work better than some other models**
- **In our project technical resources that we need are already available**

that's why we choose to use the V model in our software development process