

Evaluation for Health Indicators (Form B)

HEALTH INDICATOR		
Productivity		
NFRs	REASONING	CONTRIBUTION
Functional suitability		0
Performance efficiency	The application that uses the resources available properly facilitate the development work	+
Compatibility	The need of the application work well with several products exchange information can cause a delay during the development	-
Usability		0
Reliability		0
Security	Once the application follow the security rules, the number of developer problems tend to be reduced and the productivity is increased	+
Maintainability	The correct definition of modular components avoid impact in other components allow that work flows properly. Also, a good degree of modularity can contribute to develop code faster	++
Portability	To ensure that the application work well in different operational environments increase the development work and can reduce the productivity	-

HEALTH INDICATOR		
Robustness		
NFRs	REASONING	CONTRIBUTION
Functional suitability	When the ecosystem meet stated and implied needs of the user, the risk to face disruptions is reduced. So, facing problems there is more chance to survive once the user is satisfied.	+
Performance efficiency	When the ecosystem uses properly the resources available, it can manage the resources to survive facing problems and disruptions	+
Compatibility	If a system knows to exchange information with other products adequately, it can communicate rightly to face problems	+
Usability		0
Reliability	A system working correctly under specific conditions for a period of time knows how to survive to disruptions	++
Security	Once the application follow the security rules, facing a crisis the security would be less harmed in front of unintended situations	+
Maintainability	Modify the system without introducing defects or degrading existing product quality contributes to keep the normal operation of system and reduce the probability of problems	++

Portability	The capacity of a system to be transferred from one environment to another facilitates and sustains the stakeholders and the business when they are facing crisis and disruptions, providing different possibilities of solutions	+
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HEALTH INDICATOR		
Niche Creation		
NFRs	REASONING	CONTRIBUTION
Functional suitability		0
Performance efficiency	When a system uses properly the resources available, it can provide more clarity about the impact of new projects or applications recently added to the platform	+
Compatibility	If a system knows to exchange information with other products adequately, it can allow to identify parts to be modified easily when develop new applications	+
Usability	Once the system attend several needs of the user and they have a high degree of satisfaction, the ecosystem becomes more attractive to create new functionalities	+
Reliability	The degree to which a system meets needs for reliability under normal operation transmit more confidence to create more projects for the community	+
Security	Security recommendations inspire more confidence to attract new developers to the ecosystem	+
Maintainability	Changes into one component with minimal impact on other components decrease the work of develop new components and reduce the probability of problems	++
Portability	The necessity to develop an application that work in several operational environments can reduce the attractiveness of the system because the quantity of work to attend these different environments	-