RISK MANAGEMENT

Risk (Project, Business, Product)	Affects	Effects	Probability	Strategy Category	Strategies to be employed
Product Competition: Another company develops a similar website/application	Business	Serious	Moderate	Minimization	Employ better marketing strategies to encourage user participation or buy out the competition.
Staff Turnover: Experienced staff members leaving the project before it is fully developed.	Project	Serious	Very Low	Avoidance	Keeping additional staff members on standby in the event a staff member leaves.
Developmental Delays: The amount of time required to complete the project is underestimated	Project	Tolerable	Moderate	Contingency and Avoidance	Proper management is essential.
Rapid Customer Growth: A larger than expected increase in user traffic may cause a server overload	Product	Serious	High	Contingency	Using self scaling servers in order to accommodate the increase in user traffic
Database or Server Failure: Failure results in the software not working as intended	Project	Catastrophic	Very Low	Contingency	Backup servers can be used.
Estimation: The final product's size is underestimated.	Product and Project	Tolerable	Moderate	Avoidance	Efficient programming
Qualified Professionals: Feedback should be given to the users from qualified professionals only.	Product and Business	Serious	Moderate	Minimization	Requesting proof of qualification from said professionals at the time of registering
Management Change:	Project	Management	Low	Contingency	A priority chart made at the

A change occurring in management will result in differing management priorities					beginning of development will help guide all managers
CASE tools underperformance: Diagrams cannot be integrated or linked due to compatibility	Product	Tolerable	High	Avoidance	Use or acquire tools from the same software supplier that has a full line of products to ensure future compatibility if more tools are added
Gold Plating: Developers adding functionality and design not required for the software	Project	Tolerable	Low	Avoidance	Proper management will help keep the development team on track.
Time loss during development: Developers losing time on installing dependencies	Project	Tolerable	Low	Avoidance	The software can be developed through a container platform (eg: docker) so that developers don't have to waste time installing dependencies.
Strategic Risk: The software no longer applies to farm related diseases.	Product	Serious	Low	Avoidance	The software can be evolved to become a
Financial Mismanagement: Exhausting funds earlier than predicted, resulting in failure of further development	Project and Product	Serious	Low	Avoidance	Provide senior management with a documented report of the costs and keep them updated on expenses incurred
Component Integration: Components of the software stop working	Product and Business	Catastrophic	Low	Avoidance	Detailed inspection and testing of the software should be conducted before

					deployment to ensure all components work effectively
SQL Injection: Hackers gain access to the database and can perform malicious attacks	Business	Catastrophic	Low	Contingency	A secure biometric system (example: fingerprint scanning) along with password authentication