

Ethical Issues

Software engineering

Ethical Issue	Risk	How to overcome
1. User privacy	Collection of emails and activity data could lead to misuse or unauthorised access	<p>We should try and only collect what we need. Since emails are vital for our login, we should not ask for any other information</p> <p>We should also have a notice that explains what we will use the user's information for, in doing so it will make our clients more trusting and appealed to use our web application</p>
2. Password security	Common/weak passwords can put user accounts in danger	We can have a password strength authenticator to help the user have a strong password where the chance of people guessing the password are close to 0
3. Data breaches	Personal data could be leaked through cyber attacks	To mitigate this risk, encryption can be implemented alongside regular security updates and restricted database access. Access to the database would be limited to authorised system administrators only, ensuring that users and unauthorised parties are unable to directly access sensitive data.
4. Informed consent	Users may agree to terms without understanding how data is used	We can have a notice pop up window before they can even access the web application where information will be displayed on what our app is about and have a terms of agreement giving the user option to trust and give us consent on handling their information that is necessary if not they will not be able to create an account and will be exited of the app
5. Comment abuse and harassment	Users may post harmful or abusive comments	Implement moderation tools, reporting systems, and clear community guidelines will help us filter any abuse that may occur in our application, enhancing users experience and satisfaction
6. Intellectual property rights	Streaming music without permission is unethical and illegal	We must secure proper licensing that allows our website to stream music online