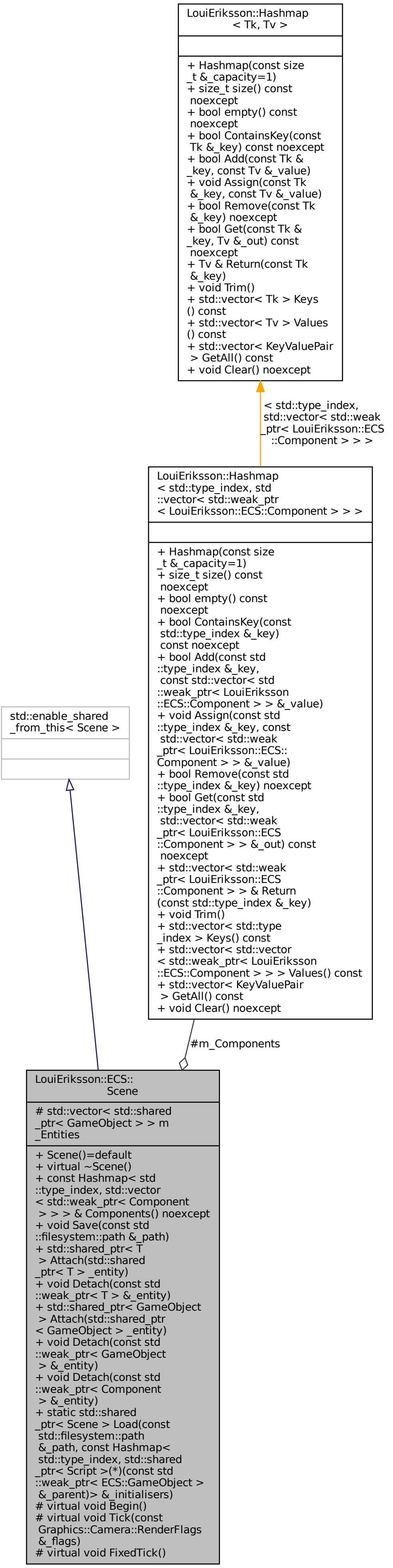
LouiEriksson::Hashmap
< Tk, Tv >
+ Hashmap(const size
_t &_capacity=1)
+ size_t size() const
noexcept
+ bool empty() const
noexcept
+ bool ContainsKey(const
Tk &_key) const noexcept
+ bool Add(const Tk &
_key, const Tv &_value)
+ void Assign(const Tk
&_key, const Tv &_value)
+ bool Remove(const Tk
&_key) noexcept
+ bool Get(const Tk &
_key, Tv &_out) const
noexcept
+ Tv & Return(const Tk
&_key)
+ void Trim()
+ std::vector< Tk > Keys
() const
+ std::vector< Tv > Values
() const
+ std::vector< KeyValuePair
> GetAll() const
+ void Clear() noexcept
< std::type_index,
std::vector< std::weak
_ptr< LouiEriksson::ECS
::Component > > >
LouiEriksson::Hashmap
< std::type_index, std
::vector< std::weak_ptr
< LouiEriksson::ECS::Component > > >
+ Hashmap(const size
_t &_capacity=1)
+ size_t size() const
noexcept
+ bool empty() const
noexcept
+ bool ContainsKey(const
std::type_index &_key)
const noexcept
+ bool Add(const std
::type_index &_key,
const std::vector< std
::weak_ptr< LouiEriksson
::ECS::Component > > &_value)
+ void Assign(const std
::type_index &_key, const
std::vector< std::weak
_ptr< LouiEriksson::ECS::
Component > > &_value)
+ bool Remove(const std
::type_index &_key) noexcept
+ bool Get(const std
::type_index &_key,
std::vector< std::weak
_ptr< LouiEriksson::ECS
::Component > > &_out) const
noexcept
+ std::vector< std::weak
_ptr< LouiEriksson::ECS
::Component > > & Return
(const std::type_index &_key)
+ void Trim()
+ std::vector< std::type
_index > Keys() const
+ std::vector< std::vector
< std::weak_ptr< LouiEriksson
::ECS::Component > > > Values() const
+ std::vector< KeyValuePair
> GetAll() const
+ void Clear() noexcept
#m_Components
std::enable_shared
_from_this< Scene >
LouiEriksson::ECS::
Scene
std::vector< std::shared
_ptr< GameObject > > m
_Entities
+ Scene()=default
+ virtual ~Scene()
+ const Hashmap< std
::type_index, std::vector
< std::weak_ptr< Component
> > > & Components() noexcept
+ void Save(const std
::filesystem::path &_path)
+ std::shared_ptr< T
> Attach(std::shared
_ptr< T > _entity)
+ void Detach(const std
::weak_ptr< T > &_entity)
+ std::shared_ptr< GameObject
> Attach(std::shared_ptr
< GameObject > _entity)
+ void Detach(const std
::weak_ptr< GameObject
> &_entity)
+ void Detach(const std
::weak_ptr< Component
> &_entity)
+ static std::shared
_ptr< Scene > Load(const
std::filesystem::path
&_path, const Hashmap<
std::type_index, std::shared
_ptr< Script >(*)(const std
::weak_ptr< ECS::GameObject >
&_parent)> &_initialisers)
virtual void Begin()
virtual void Tick(const
Graphics::Camera::RenderFlags
&_flags)
virtual void FixedTick()