sdl_framework

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- SDL 2 Image
- SDL 2 Mixer
- SDL 2 Net
- SDL 2 TTF
- Harfbuzz Text Shaping

Tutorials

- LazyFoo Productions
- SDLTutorial.com
- List of Tutorial Sites in the WWW

Installation der SDL oder eines Moduls unter Linux

- · ./configure
- make
- · sudo make install

Linker-Flags

- -ISDL2
- -ISDL2_gfx
- -ISDL2_image
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- -ISDL2_net
- -ISDL2_ttf

JSON Parser for Modern C++ by Niels Lohmann

-JSON Parser for Modern C++

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File Viewport.hpp (p. 93)

No bugs known

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Chapter 6

Class Documentation

6.1 _lpAddress Class Reference

```
#include <Net.hpp>
```

Public Member Functions

- _lpAddress ()
- _**IpAddress** (Uint16 port)
- _IpAddress (std::string host, Uint16 port)
- void **SetIp** (IPaddress sdl_ip)
- bool Ok () const
- IPaddress GetlpAddress () const
- Uint32 GetHost () const
- Uint16 GetPort () const

6.1.1 Detailed Description

Definition at line 57 of file Net.hpp.

6.1.2 Constructor & Destructor Documentation

```
6.1.2.1 _lpAddress::_lpAddress( )
```

Definition at line 90 of file Net.cpp.

6.1.2.2 _lpAddress::_lpAddress(Uint16 port) [explicit]

Definition at line 70 of file Net.cpp.

```
6.1.2.3 _lpAddress::_lpAddress ( std::string host, Uint16 port )
Definition at line 80 of file Net.cpp.
6.1.3 Member Function Documentation
6.1.3.1 Uint32 _IpAddress::GetHost ( ) const
Definition at line 112 of file Net.cpp.
6.1.3.2 IPaddress _IpAddress::GetIpAddress ( ) const
Definition at line 107 of file Net.cpp.
6.1.3.3 Uint16 _lpAddress::GetPort ( ) const
Definition at line 117 of file Net.cpp.
6.1.3.4 bool _lpAddress::Ok( ) const
Definition at line 96 of file Net.cpp.
6.1.3.5 void _lpAddress::Setlp ( IPaddress sdl_ip )
Definition at line 102 of file Net.cpp.
```

The documentation for this class was generated from the following files:

- header/Net.hpp
- source/Net.cpp

6.2 Button Struct Reference

Button (p. 14) struct Structure for saving init values of a button.

#include <MenuButton.hpp>

Public Attributes

- int x1 = 0
- int **x2** = 0
- int y1 = 0
- int y2 = 0
- int $\mathbf{x} = 0$
- int y = 0
- std::string textureID = "none"
- std::string viewportID = "none"
- std::string fontID = "none"
- std::string colorID = "none"
- double angle = 0.0d
- unsigned $\mathbf{r} = 0$
- unsigned $\mathbf{g} = 85$
- unsigned **b** = 170
- unsigned **a** = 255
- std::function< void()> func = nullptr
- SDL_Rect destRect = {0}
- SDL_Rect **srcRect** = {0}
- SDL_Point **center** = {0}
- FLIP sdlFlip = FLIP::NONE
- TEXTQUALITY textQuality = TEXTQUALITY::SOLID

6.2.1 Detailed Description

Button (p. 14) struct Structure for saving init values of a button.

Definition at line 21 of file MenuButton.hpp.

6.2.2 Member Data Documentation

6.2.2.1 unsigned Button::a = 255

Definition at line 26 of file MenuButton.hpp.

6.2.2.2 double Button::angle = 0.0d

Definition at line 25 of file MenuButton.hpp.

6.2.2.3 unsigned Button::b = 170

Definition at line 26 of file MenuButton.hpp.

6.2.2.4 SDL_Point Button::center = {0}

Definition at line 30 of file MenuButton.hpp.

6.2.2.5 std::string Button::colorID = "none" Definition at line 24 of file MenuButton.hpp. 6.2.2.6 SDL_Rect Button::destRect = {0} Definition at line 28 of file MenuButton.hpp. 6.2.2.7 std::string Button::fontID = "none" Definition at line 24 of file MenuButton.hpp. 6.2.2.8 std::function<void()> Button::func = nullptr Definition at line 27 of file MenuButton.hpp. 6.2.2.9 unsigned Button::g = 85 Definition at line 26 of file MenuButton.hpp. 6.2.2.10 unsigned Button::r = 0 Definition at line 26 of file MenuButton.hpp. 6.2.2.11 FLIP Button::sdlFlip = FLIP::NONE Definition at line 31 of file MenuButton.hpp. 6.2.2.12 SDL_Rect Button::srcRect = {0} Definition at line 29 of file MenuButton.hpp. 6.2.2.13 TEXTQUALITY Button::textQuality = TEXTQUALITY::SOLID Definition at line 32 of file MenuButton.hpp. 6.2.2.14 std::string Button::textureID = "none"

Definition at line 24 of file MenuButton.hpp.

6.2.2.15 std::string Button::viewportID = "none"

Definition at line 24 of file MenuButton.hpp.

6.2.2.16 int Button::x = 0

Definition at line 23 of file MenuButton.hpp.

6.2.2.17 int Button::x1 = 0

Definition at line 23 of file MenuButton.hpp.

6.2.2.18 int Button::x2 = 0

Definition at line 23 of file MenuButton.hpp.

6.2.2.19 int Button::y = 0

Definition at line 23 of file MenuButton.hpp.

6.2.2.20 int Button::y1 = 0

Definition at line 23 of file MenuButton.hpp.

6.2.2.21 int Button::y2 = 0

Definition at line 23 of file MenuButton.hpp.

The documentation for this struct was generated from the following file:

• header/MenuButton.hpp

6.3 ClientSocket Class Reference

#include <Net.hpp>

Inherits TcpSocket.

Public Member Functions

- · ClientSocket ()
- ClientSocket (std::string host, Uint16 port)
- bool Connect (_IpAddress &remoteip)
- bool Connect (HostSocket &the_listener_socket)
- void SetSocket (TCPsocket the_sdl_socket)
- _lpAddress getlpAddress () const
- virtual void OnReady ()
- bool Receive (NetMessage &rData)
- bool Send (NetMessage &sData)

Additional Inherited Members

6.3.1 Detailed Description

Definition at line 121 of file Net.hpp.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 ClientSocket::ClientSocket()

Definition at line 231 of file Net.cpp.

6.3.2.2 ClientSocket::ClientSocket (std::string host, Uint16 port)

Definition at line 236 of file Net.cpp.

6.3.3 Member Function Documentation

6.3.3.1 bool ClientSocket::Connect (_IpAddress & remoteip)

Definition at line 256 of file Net.cpp.

6.3.3.2 bool ClientSocket::Connect (HostSocket & the_listener_socket)

Definition at line 251 of file Net.cpp.

6.3.3.3 _IpAddress ClientSocket::getlpAddress () const

Definition at line 291 of file Net.cpp.

6.4 Game Class Reference 19

```
6.3.3.4 void ClientSocket::OnReady( ) [virtual]
Reimplemented from TcpSocket (p. 62).
Definition at line 346 of file Net.cpp.
6.3.3.5 bool ClientSocket::Receive ( NetMessage & rData )
Definition at line 296 of file Net.cpp.
6.3.3.6 bool ClientSocket::Send ( NetMessage & sData )
Definition at line 323 of file Net.cpp.
6.3.3.7 void ClientSocket::SetSocket ( TCPsocket the sdl_socket ) [virtual]
Reimplemented from TcpSocket (p. 62).
Definition at line 272 of file Net.cpp.
The documentation for this class was generated from the following files:
    · header/Net.hpp

    source/Net.cpp

       Game Class Reference
#include <Game.hpp>
Public Member Functions
    • bool init ()
          init Initialises the game variables
    • const bool & isRunning () const
          isRunning Is the game still running?
    • SDL_Renderer * getRenderer () const
          getRenderer Read only access to the renderer
    • SDL_Window * getWindow () const
          getWindow Read only access to the window
    · void delay ()
          delay Creates a delay if necessary, for capping frame rate

    void render ()

          render Renders the game to the screen
    • void handleEvents ()
          handleEvents Handles the events for the game

    void update ()

          update Updates the game
    • void quit ()
          quit Quits the game

    void freeMemory ()

          freeMemory Frees the memory used by the game
```

Static Public Member Functions

```
• static Game * Instance ()
```

Instance Instance returns a pointer to the singleton.

6.4.1 Detailed Description

Definition at line 20 of file Game.hpp.

6.4.2 Member Function Documentation

```
6.4.2.1 void Game::delay ( )
```

delay Creates a delay if necessary, for capping frame rate

Definition at line 169 of file Game.cpp.

```
6.4.2.2 void Game::freeMemory() [inline]
```

freeMemory Frees the memory used by the game

Definition at line 116 of file Game.hpp.

```
6.4.2.3 SDL_Renderer* Game::getRenderer() const [inline]
```

getRenderer Read only access to the renderer

Returns

SDL_Renderer pointer

Definition at line 62 of file Game.hpp.

```
6.4.2.4 SDL_Window* Game::getWindow() const [inline]
```

getWindow Read only access to the window

Returns

SDL_Window pointer

Definition at line 70 of file Game.hpp.

6.4 Game Class Reference 21

```
6.4.2.5 void Game::handleEvents ( )
handleEvents Handles the events for the game
Definition at line 227 of file Game.cpp.
6.4.2.6 bool Game::init ( )
init Initialises the game variables
Returns
      bool true if init was successful, false if not
Definition at line 80 of file Game.cpp.
6.4.2.7 static Game* Game::Instance() [inline], [static]
Instance Instance returns a pointer to the singleton.
Returns
      game pointer to singleton
Definition at line 30 of file Game.hpp.
6.4.2.8 const bool& Game::isRunning ( ) const [inline]
isRunning Is the game still running?
Returns
      bool true is still running, false if not
Definition at line 54 of file Game.hpp.
6.4.2.9 void Game::quit() [inline]
quit Quits the game
Definition at line 108 of file Game.hpp.
6.4.2.10 void Game::render ( )
render Renders the game to the screen
Definition at line 199 of file Game.cpp.
```

```
6.4.2.11 void Game::update ( )
```

update Updates the game

Definition at line 233 of file Game.cpp.

The documentation for this class was generated from the following files:

- · header/Game.hpp
- · source/Game.cpp

6.5 GameObject Class Reference

```
#include <GameObject.hpp>
```

Inherited by MenuButton.

Public Member Functions

· GameObject ()

GameObject (p. 22) standard ctor Initialises all members with default values.

GameObject (Vector2D position, int width, int height, double angle, unsigned r, unsigned g, unsigned b, unsigned a)

GameObject (p. 22) ctor Initialises all members with parameters.

virtual ∼GameObject ()

Dtor Lazy dtor, does nothing.

• virtual void draw ()=0

Draw Virtual draw method, will be implemented in child classes Draws the game object to the screen.

• virtual void update ()=0

Update Virtual update method, will be implemented in child classes Updates the game object, things like collision detection and such.

· const Vector2D & getPosition () const

Update Virtual update method, will be implemented in child classes Updates the game object, things like collision detection and such.

• const int getHeight () const

getHeight Getter for the height of the game object

· const int getWidth () const

getWidth Getter for the width of the game object

Protected Attributes

· Vector2D position

Vector member to store the position.

int width

Member to store the width.

• int height

Member to store the height.

· double angle

Member to store the angle.

- unsigned r
- unsigned g
- unsigned b
- · unsigned a

Member for red, green, blue and alpha values.

6.5.1 Detailed Description

Definition at line 16 of file GameObject.hpp.

6.5.2 Constructor & Destructor Documentation

```
6.5.2.1 GameObject::GameObject() [inline]
```

GameObject (p. 22) standard ctor Initialises all members with default values.

Definition at line 25 of file GameObject.hpp.

6.5.2.2 GameObject::GameObject (Vector2D position, int width, int height, double angle, unsigned r, unsigned g, unsigned b, unsigned a) [inline]

GameObject (p. 22) ctor Initialises all members with parameters.

Definition at line 35 of file GameObject.hpp.

```
6.5.2.3 virtual GameObject::~GameObject() [inline], [virtual]
```

Dtor Lazy dtor, does nothing.

Definition at line 47 of file GameObject.hpp.

6.5.3 Member Function Documentation

```
6.5.3.1 virtual void GameObject::draw() [pure virtual]
```

Draw Virtual draw method, will be implemented in child classes Draws the game object to the screen.

Implemented in MenuButton (p. 43).

```
6.5.3.2 const int GameObject::getHeight() const [inline]
```

getHeight Getter for the height of the game object

Definition at line 81 of file GameObject.hpp.

```
6.5.3.3 const Vector2D& GameObject::getPosition() const [inline]
```

Update Virtual update method, will be implemented in child classes Updates the game object, things like collision detection and such.

Definition at line 73 of file GameObject.hpp.

```
6.5.3.4 const int GameObject::getWidth() const [inline]
getWidth Getter for the width of the game object
Definition at line 88 of file GameObject.hpp.
6.5.3.5 virtual void GameObject::update() [pure virtual]
Update Virtual update method, will be implemented in child classes Updates the game object, things like collision
detection and such.
Implemented in MenuButton (p. 44).
6.5.4 Member Data Documentation
6.5.4.1 unsigned GameObject::a [protected]
Member for red, green, blue and alpha values.
Definition at line 98 of file GameObject.hpp.
6.5.4.2 double GameObject::angle [protected]
Member to store the angle.
Definition at line 96 of file GameObject.hpp.
6.5.4.3 unsigned GameObject::b [protected]
Definition at line 98 of file GameObject.hpp.
6.5.4.4 unsigned GameObject::g [protected]
Definition at line 98 of file GameObject.hpp.
6.5.4.5 int GameObject::height [protected]
Member to store the height.
Definition at line 94 of file GameObject.hpp.
6.5.4.6 Vector2D GameObject::position [protected]
Vector member to store the position.
```

Definition at line 91 of file GameObject.hpp.

6.5.4.7 unsigned GameObject::r [protected]

Definition at line 98 of file GameObject.hpp.

6.5.4.8 int GameObject::width [protected]

Member to store the width.

Definition at line 93 of file GameObject.hpp.

The documentation for this class was generated from the following file:

· header/GameObject.hpp

6.6 GameOverState Class Reference

#include <GameOverState.hpp>

Inherits GameState.

Public Member Functions

• GameOverState (GameStateMachine &stateMachine)

Explicit state constructor Creates a state.

• bool update ()

Update of the State Creates a setting state.

void render ()

Render the State Renders the state to the screen.

• bool handleEvents ()

Handle events of the State Handles all events in the state.

bool onEnter (std::string fileName)

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

• bool onExit ()

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Additional Inherited Members

6.6.1 Detailed Description

Definition at line 12 of file GameOverState.hpp.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 GameOverState::GameOverState (GameStateMachine & stateMachine) [explicit]

Explicit state constructor Creates a state.

Parameters

| reference | to the GameStateMachine (p. 33) |
|-----------|---------------------------------|
|-----------|---------------------------------|

Definition at line 10 of file GameOverState.cpp.

6.6.3 Member Function Documentation

```
6.6.3.1 bool GameOverState::handleEvents() [virtual]
```

Handle events of the State Handles all events in the state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 25 of file GameOverState.cpp.

6.6.3.2 bool GameOverState::onEnter (std::string *fileName*) [virtual]

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

Parameters

| - | | | |
|-----|-------------|-------------------------------------|-----|
| ſ | fileName | contains the filename with the data | |
| - 1 | IIICIVAIIIC | i Contains the inchaine with the d | aıa |

Returns

true if loading was successful, false if not

Reimplemented from **GameState** (p. 29).

Definition at line 30 of file GameOverState.cpp.

6.6.3.3 bool GameOverState::onExit() [virtual]

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 46 of file GameOverState.cpp.

```
6.6.3.4 void GameOverState::render( ) [virtual]
```

Render the State Renders the state to the screen.

Reimplemented from GameState (p. 30).

Definition at line 20 of file GameOverState.cpp.

6.6.3.5 bool GameOverState::update() [virtual]

Update of the State Creates a setting state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 30).

Definition at line 15 of file GameOverState.cpp.

The documentation for this class was generated from the following files:

- · header/GameOverState.hpp
- source/GameOverState.cpp

6.7 GameState Class Reference

```
#include <GameState.hpp>
```

Inherited by GameOverState, MenuState, PauseState, PlayState, and SettingState.

Public Member Functions

• GameState (GameStateMachine &stateMachine)

Constructor Initialises all member variables defined below.

• virtual bool update ()

update Updates the state Defined virtual to keep it polymorphic

virtual void render ()

render Renders the state Defined virtual to keep it polymorphic

• virtual bool handleEvents ()

handleEvents Handles events within the state Defined virtual to keep it polymorphic

virtual bool onEnter (std::string fileName)

onEnter Loads resources from a file Resources are imgages, texts, gfx, sound, music and such

• virtual bool onExit ()

onExit Unloads all resources which were loaded onEnter

Protected Member Functions

void requestStackPush (States stateID)

Sends a push request to the state machine.

• void requestStackPop ()

Sends a pop request to the state machine.

void requestStackClear ()

Sends a clear request to the state machine.

Protected Attributes

std::vector< GameObject * > gameObjects

All GameObjects like buttons and such.

std::vector< ImageAsset > assets

Vector for ImageAssets.

std::vector< std::string > buttonKeys

Vector for buttonKeys.

std::vector< std::string > colorKeys

Vector for colorKeys.

std::vector< std::string > musicKeys

Vector for musicKeys.

std::vector< std::string > soundKeys

Vector for soundKeys.

• std::vector < TextAsset > textAssets

Vector for textAssets.

• std::vector < std::string > ttfKeys

Vector for ttfKeys.

std::vector< Viewport > viewports

Vector for viewports.

• SDL Rect screenSize

Screen size rectangle, for alingment.

• nlohmann::ordered_json stateJson

Parsed file is stored in this variable.

- nlohmann::ordered_json **name**
- · nlohmann::ordered json text
- nlohmann::ordered json color
- · nlohmann::ordered_json ttf

Some variables necessary for loading.

std::map< std::string, std::function< void()>> functionMap

Function map for the lambda expressions.

6.7.1 Detailed Description

Definition at line 25 of file GameState.hpp.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 GameState::GameState (GameStateMachine & stateMachine) [explicit]

Constructor Initialises all member variables defined below.

Parameters

Definition at line 8 of file GameState.cpp.

6.7.3 Member Function Documentation

```
6.7.3.1 bool GameState::handleEvents() [virtual]
```

handleEvents Handles events within the state Defined virtual to keep it polymorphic

Reimplemented in GameOverState (p. 26), MenuState (p. 45), PauseState (p. 50), PlayState (p. 52), and SettingState (p. 54).

Definition at line 78 of file GameState.cpp.

```
6.7.3.2 bool GameState::onEnter(std::string fileName) [virtual]
```

onEnter Loads resources from a file Resources are imgages, texts, gfx, sound, music and such

Parameters

```
fileName as std::string for loading
```

See also

onExit (p. 29)

Reimplemented in **GameOverState** (p. 26), **MenuState** (p. 45), **PauseState** (p. 50), **PlayState** (p. 52), and **SettingState** (p. 54).

Definition at line 83 of file GameState.cpp.

```
6.7.3.3 bool GameState::onExit() [virtual]
```

onExit Unloads all resources which were loaded onEnter

Parameters

```
stateMachine reference for access
```

See also

onEnter (p. 29)

Reimplemented in GameOverState (p. 26), MenuState (p. 45), PauseState (p. 50), PlayState (p. 52), and SettingState (p. 54).

Definition at line 114 of file GameState.cpp. **6.7.3.4 void GameState::render()** [virtual] render Renders the state Defined virtual to keep it polymorphic Reimplemented in GameOverState (p. 27), MenuState (p. 46), PauseState (p. 51), PlayState (p. 53), and SettingState (p. 55). Definition at line 51 of file GameState.cpp. **6.7.3.5 void GameState::requestStackClear()** [protected] Sends a clear request to the state machine. Definition at line 168 of file GameState.cpp. **6.7.3.6** void GameState::requestStackPop() [protected] Sends a pop request to the state machine. Definition at line 163 of file GameState.cpp. **6.7.3.7 void GameState::requestStackPush (States** *stateID*) [protected] Sends a push request to the state machine. Definition at line 158 of file GameState.cpp. **6.7.3.8** bool GameState::update() [virtual] update Updates the state Defined virtual to keep it polymorphic Reimplemented in GameOverState (p. 27), MenuState (p. 46), PauseState (p. 51), PlayState (p. 53), and SettingState (p. 55). Definition at line 12 of file GameState.cpp. 6.7.4 Member Data Documentation **6.7.4.1** std::vector<ImageAsset> GameState::assets [protected] Vector for ImageAssets.

Definition at line 90 of file GameState.hpp.

```
6.7.4.2 std::vector<std::string> GameState::buttonKeys [protected]
Vector for buttonKeys.
Definition at line 91 of file GameState.hpp.
6.7.4.3 nlohmann::ordered_json GameState::color [protected]
Definition at line 102 of file GameState.hpp.
6.7.4.4 std::vector<std::string> GameState::colorKeys [protected]
Vector for colorKeys.
Definition at line 92 of file GameState.hpp.
6.7.4.5 std::map<std::string, std::function<void()>> GameState::functionMap [protected]
Function map for the lambda expressions.
Definition at line 104 of file GameState.hpp.
6.7.4.6 std::vector<GameObject*> GameState::gameObjects [protected]
All GameObjects like buttons and such.
Definition at line 87 of file GameState.hpp.
6.7.4.7 std::vector<std::string> GameState::musicKeys [protected]
Vector for musicKeys.
Definition at line 93 of file GameState.hpp.
6.7.4.8 nlohmann::ordered_json GameState::name [protected]
Definition at line 102 of file GameState.hpp.
6.7.4.9 SDL_Rect GameState::screenSize [protected]
Screen size rectangle, for alingment.
Definition at line 99 of file GameState.hpp.
```

```
6.7.4.10 std::vector<std::string> GameState::soundKeys [protected]
Vector for soundKeys.
Definition at line 94 of file GameState.hpp.
6.7.4.11 nlohmann::ordered_json GameState::stateJson [protected]
Parsed file is stored in this variable.
Definition at line 101 of file GameState.hpp.
6.7.4.12 nlohmann::ordered_json GameState::text [protected]
Definition at line 102 of file GameState.hpp.
6.7.4.13 std::vector<TextAsset> GameState::textAssets [protected]
Vector for textAssets.
Definition at line 95 of file GameState.hpp.
6.7.4.14 nlohmann::ordered_json GameState::ttf [protected]
Some variables necessary for loading.
Definition at line 102 of file GameState.hpp.
6.7.4.15 std::vector<std::string> GameState::ttfKeys [protected]
Vector for ttfKeys.
Definition at line 96 of file GameState.hpp.
6.7.4.16 std::vector<Viewport> GameState::viewports [protected]
Vector for viewports.
Definition at line 97 of file GameState.hpp.
```

header/GameState.hpp

The documentation for this class was generated from the following files:

source/GameState.cpp

6.8 GameStateMachine Class Reference

#include <GameStateMachine.hpp>

Public Member Functions

• GameStateMachine ()

Explicit game state machine ctor Creates a finite state machine.

template<typename T >

void registerState (States stateID)

Template for registring states Creates a state.

void pushState (States stateID)

PushState Pushes a state in the pending list.

• void popState ()

Pop state Pops the top state from the FSM.

· void clearStates ()

Clear states Clears all states from the FSM.

· void update ()

Update Updates the current state(s)

· void render ()

Render Renders the current state(s)

• void handleEvents ()

Handle events Handles the events in the current state(s)

• bool **isEmpty** () const

Is the FSM empty? True if FSM is empty, false if not.

6.8.1 Detailed Description

Definition at line 18 of file GameStateMachine.hpp.

6.8.2 Constructor & Destructor Documentation

6.8.2.1 GameStateMachine::GameStateMachine() [explicit]

Explicit game state machine ctor Creates a finite state machine.

Definition at line 5 of file GameStateMachine.cpp.

6.8.3 Member Function Documentation

6.8.3.1 void GameStateMachine::clearStates ()

Clear states Clears all states from the FSM.

Definition at line 22 of file GameStateMachine.cpp.

```
6.8.3.2 void GameStateMachine::handleEvents ( )
Handle events Handles the events in the current state(s)
Definition at line 46 of file GameStateMachine.cpp.
6.8.3.3 bool GameStateMachine::isEmpty ( ) const [inline]
Is the FSM empty? True if FSM is empty, false if not.
Returns
     true if empty, false if not
Definition at line 91 of file GameStateMachine.hpp.
6.8.3.4 void GameStateMachine::popState ( )
Pop state Pops the top state from the FSM.
Definition at line 16 of file GameStateMachine.cpp.
6.8.3.5 void GameStateMachine::pushState ( States stateID )
PushState Pushes a state in the pending list.
Parameters
 stateID
            for a particular state
Definition at line 10 of file GameStateMachine.cpp.
6.8.3.6 template<typename T > void GameStateMachine::registerState ( States stateID )
Template for registring states Creates a state.
Parameters
 stateID
            for a particular state
Definition at line 119 of file GameStateMachine.hpp.
6.8.3.7 void GameStateMachine::render ( )
Render Renders the current state(s)
```

Definition at line 40 of file GameStateMachine.cpp.

6.8.3.8 void GameStateMachine::update ()

Update Updates the current state(s)

Definition at line 28 of file GameStateMachine.cpp.

The documentation for this class was generated from the following files:

- · header/GameStateMachine.hpp
- source/GameStateMachine.cpp

6.9 GFXAsset Struct Reference

GFXAsset (p. 35) A structure which contains all necessary data of an gfx.

```
#include <Asset.hpp>
```

6.9.1 Detailed Description

GFXAsset (p. 35) A structure which contains all necessary data of an gfx.

Definition at line 21 of file Asset.hpp.

The documentation for this struct was generated from the following file:

header/Asset.hpp

6.10 HostSocket Class Reference

```
#include <Net.hpp>
```

Inherits TcpSocket.

Public Member Functions

- HostSocket (_lpAddress &the_ip_address)
- HostSocket (Uint16 port)
- bool Accept (ClientSocket &)
- virtual void OnReady ()

Additional Inherited Members

6.10.1 Detailed Description

Definition at line 108 of file Net.hpp.

6.10.2 Constructor & Destructor Documentation

```
6.10.2.1 HostSocket::HostSocket(_lpAddress & the_ip_address) [explicit]
```

Definition at line 178 of file Net.cpp.

```
6.10.2.2 HostSocket::HostSocket ( Uint16 port ) [explicit]
```

Definition at line 191 of file Net.cpp.

6.10.3 Member Function Documentation

```
6.10.3.1 bool HostSocket::Accept ( ClientSocket & the_client_socket )
```

Definition at line 213 of file Net.cpp.

```
6.10.3.2 void HostSocket::OnReady( ) [virtual]
```

Reimplemented from TcpSocket (p. 62).

Definition at line 226 of file Net.cpp.

The documentation for this class was generated from the following files:

- · header/Net.hpp
- source/Net.cpp

6.11 ImageAsset Struct Reference

ImageAsset (p. 36) A structure which contains all necessary data of an image.

```
#include <Asset.hpp>
```

Public Attributes

- std::string fileName = "none"
- std::string textureID = "none"
- std::string viewportID = "none"
- SDL_Rect destRect = {0}
- SDL_Rect srcRect = {0}
- double angle = 0.0d
- SDL_Point center = {0}
- FLIP sdIFlip = FLIP::NONE

6.11.1 Detailed Description

ImageAsset (p. 36) A structure which contains all necessary data of an image.

Definition at line 32 of file Asset.hpp.

6.11.2 Member Data Documentation

6.11.2.1 double ImageAsset::angle = 0.0d

Definition at line 39 of file Asset.hpp.

6.11.2.2 SDL_Point ImageAsset::center = {0}

Definition at line 40 of file Asset.hpp.

6.11.2.3 SDL_Rect ImageAsset::destRect = {0}

Definition at line 37 of file Asset.hpp.

6.11.2.4 std::string ImageAsset::fileName = "none"

Definition at line 34 of file Asset.hpp.

6.11.2.5 FLIP ImageAsset::sdlFlip = FLIP::NONE

Definition at line 41 of file Asset.hpp.

6.11.2.6 SDL_Rect ImageAsset::srcRect = {0}

Definition at line 38 of file Asset.hpp.

6.11.2.7 std::string ImageAsset::textureID = "none"

Definition at line 35 of file Asset.hpp.

6.11.2.8 std::string ImageAsset::viewportID = "none"

Definition at line 36 of file Asset.hpp.

The documentation for this struct was generated from the following file:

header/Asset.hpp

6.12 InputManager Class Reference

#include <InputManager.hpp>

Public Member Functions

void initializeJoysticks ()

initialiseJoysticks Initialises joysticks if any connected

• const bool & joysticksInitialised () const

joystickInitialised Returns true if joysticks connected, false if not

• void reset ()

reset Resets the mouse button state to false

bool isKeyTriggered (const SDL Scancode keyCode)

isKeyTriggered Checks if a certain key was triggered

bool isKeyPressed (const SDL_Scancode keycode) const

isKeyPressed Checks if a certain key was pressed

bool isKeyReleased (const SDL_Scancode keyCode) const

isKeyReleased Checks if a certain key is released

• int getAxisX (int joy, int stick) const

getXAxis Returns the x axis value of the given stick

• int getAxisY (int joy, int stick) const

getYAxis Returns the y axis value of the given stick

const bool getButtonState (int joy, int buttonNumber) const

getButtonState Returns the button state of a joystick button

• const bool getMouseButtonState (mouse_buttons mouseButton) const

getMouseButtonState Returns if a given mouse button was pressed

Vector2D * getMousePosition () const

getMousePosition Returns a Vector2D (p. 78) with the mouse position

• void update ()

update Updates the inputs

Static Public Member Functions

• static InputManager * Instance ()

Instance Access to the input manager singleton.

6.12.1 Detailed Description

Definition at line 25 of file InputManager.hpp.

6.12.2 Member Function Documentation

6.12.2.1 int InputManager::getAxisX (int joy, int stick) const

getXAxis Returns the x axis value of the given stick

Definition at line 146 of file InputManager.cpp.

```
6.12.2.2 int InputManager::getAxisY (int joy, int stick) const
getYAxis Returns the y axis value of the given stick
Definition at line 166 of file InputManager.cpp.
6.12.2.3 const bool InputManager::getButtonState ( int joy, int buttonNumber ) const [inline]
getButtonState Returns the button state of a joystick button
Definition at line 107 of file InputManager.hpp.
6.12.2.4 const bool InputManager::getMouseButtonState ( mouse buttons mouseButton ) const [inline]
getMouseButtonState Returns if a given mouse button was pressed
Definition at line 115 of file InputManager.hpp.
6.12.2.5 Vector2D* InputManager::getMousePosition() const [inline]
getMousePosition Returns a Vector2D (p. 78) with the mouse position
See also
      Vector2D (p. 78)
Definition at line 123 of file InputManager.hpp.
6.12.2.6 void InputManager::initializeJoysticks ( )
initialiseJoysticks Initialises joysticks if any connected
Definition at line 43 of file InputManager.cpp.
6.12.2.7 static InputManager* InputManager::Instance() [inline], [static]
Instance Access to the input manager singleton.
Definition at line 34 of file InputManager.hpp.
6.12.2.8 bool InputManager::isKeyPressed ( const SDL_Scancode keycode ) const
isKeyPressed Checks if a certain key was pressed
Definition at line 125 of file InputManager.cpp.
```

```
6.12.2.9 bool InputManager::isKeyReleased ( const SDL_Scancode keyCode ) const isKeyReleased Checks if a certain key is released

Definition at line 135 of file InputManager.cpp.

6.12.2.10 bool InputManager::isKeyTriggered ( const SDL_Scancode keyCode )

isKeyTriggered Checks if a certain key was triggered

Definition at line 111 of file InputManager.cpp.

6.12.2.11 const bool& InputManager::joysticksInitialised ( ) const [inline]

joystickInitialised Returns true if joysticks connected, false if not

Definition at line 55 of file InputManager.hpp.

6.12.2.12 void InputManager::reset ( )

reset Resets the mouse button state to false

Definition at line 103 of file InputManager.cpp.

6.12.2.13 void InputManager::update ( )

update Updates the inputs
```

The documentation for this class was generated from the following files:

header/InputManager.hpp

Definition at line 185 of file InputManager.cpp.

• source/InputManager.cpp

6.13 Logfile Class Reference

```
#include <Logfile.hpp>
```

Public Member Functions

• void createLogfile (std::string filename)

Creates the logfile for the application Creates the logfile so it can be used throughout the application.

• void **Textout** (std::string category, std::string key, std::string value)

Textout for writing in the logfile Writes some text in the logfile, see parameters.

void quitLogging ()

quitLogging closes the logging file Closes the logging file, no data is written

Static Public Member Functions

• static Logfile * Instance ()

Static Instance Funtion to access the Logfile (p. 40) Instance This function is the access for all the logfile functions.

6.13.1 Detailed Description

Definition at line 12 of file Logfile.hpp.

6.13.2 Member Function Documentation

6.13.2.1 void Logfile::createLogfile (std::string filename)

Creates the logfile for the application Creates the logfile so it can be used throughout the application.

Parameters

| filename as a std::string type | value |
|--------------------------------|-------|
|--------------------------------|-------|

Returns

void

Definition at line 21 of file Logfile.cpp.

```
6.13.2.2 static Logfile* Logfile::Instance() [inline], [static]
```

Static Instance Funtion to access the Logfile (p. 40) Instance This function is the access for all the logfile functions.

Parameters

```
No parameters need to call it
```

Returns

Return parameter is a pointer to the logfile instance

Definition at line 23 of file Logfile.hpp.

6.13.2.3 void Logfile::quitLogging ()

quitLogging closes the logging file Closes the logging file, no data is written

Parameters

| no | params |
|----|--------|
|----|--------|

Returns

void

Definition at line 56 of file Logfile.cpp.

6.13.2.4 void Logfile::Textout (std::string category, std::string key, std::string value)

Textout for writing in the logfile Writes some text in the logfile, see parameters.

Parameters

| std::string | key where comes the report from |
|-------------|--|
| std::string | value some kind of information |
| bool | withTime false by default, true if time is necessary information |

Returns

void

Textout writes some information to the logfile Writes information to the logfile

Parameters

| std::string | category |
|-------------|----------|
| std::string | key |
| std::string | value |

Returns

void

Definition at line 51 of file Logfile.cpp.

The documentation for this class was generated from the following files:

- header/Logfile.hpp
- source/Logfile.cpp

6.14 MenuButton Class Reference

#include <MenuButton.hpp>

Inherits GameObject.

Public Member Functions

MenuButton ()

Standard ctor Initialises the members with standard values.

• MenuButton (Button values)

Explicit ctor Initialies an MenuButton (p. 42) object using a struct object.

∼MenuButton ()

Dtor Frees the memory used by the button.

· void draw ()

Draw method Derived draw method will draw the button to the screen.

· void update ()

Update method Derived update method will update the button.

Additional Inherited Members

6.14.1 Detailed Description

Definition at line 35 of file MenuButton.hpp.

6.14.2 Constructor & Destructor Documentation

```
6.14.2.1 MenuButton::MenuButton ( )
```

Standard ctor Initialises the members with standard values.

Definition at line 5 of file MenuButton.cpp.

```
6.14.2.2 MenuButton::MenuButton ( Button values ) [explicit]
```

Explicit ctor Initialies an MenuButton (p. 42) object using a struct object.

Definition at line 10 of file MenuButton.cpp.

```
6.14.2.3 MenuButton:: ∼MenuButton ( )
```

Dtor Frees the memory used by the button.

Definition at line 44 of file MenuButton.cpp.

6.14.3 Member Function Documentation

```
6.14.3.1 void MenuButton::draw() [virtual]
```

Draw method Derived draw method will draw the button to the screen.

Implements GameObject (p. 23).

Definition at line 48 of file MenuButton.cpp.

```
6.14.3.2 void MenuButton::update() [virtual]
```

Update method Derived update method will update the button.

Implements GameObject (p. 24).

Definition at line 55 of file MenuButton.cpp.

The documentation for this class was generated from the following files:

- · header/MenuButton.hpp
- source/MenuButton.cpp

6.15 MenuState Class Reference

```
#include <MenuState.hpp>
```

Inherits GameState.

Public Member Functions

• MenuState (GameStateMachine &stateMachine)

Explicit state constructor Creates a state.

• bool update ()

Update of the State Creates a setting state.

• void render ()

Render the State Renders the state to the screen.

• bool handleEvents ()

Handle events of the State Handles all events in the state.

bool onEnter (std::string fileName)

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

· bool onExit ()

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Additional Inherited Members

6.15.1 Detailed Description

Definition at line 12 of file MenuState.hpp.

6.15.2 Constructor & Destructor Documentation

6.15.2.1 MenuState::MenuState (GameStateMachine & stateMachine) [explicit]

Explicit state constructor Creates a state.

Parameters

| reference | to the GameStateMachine (p. 33) |
|-----------|---------------------------------|
|-----------|---------------------------------|

Definition at line 8 of file MenuState.cpp.

6.15.3 Member Function Documentation

```
6.15.3.1 bool MenuState::handleEvents() [virtual]
```

Handle events of the State Handles all events in the state.

Returns

true if update was successful, false if not

Reimplemented from **GameState** (p. 29).

Definition at line 24 of file MenuState.cpp.

6.15.3.2 bool MenuState::onEnter (std::string fileName) [virtual]

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

Parameters

| _ | | |
|---|----------|-------------------------------------|
| | C'1 A 1 | |
| | tileName | contains the filename with the data |

Returns

true if loading was successful, false if not

Reimplemented from **GameState** (p. 29).

Definition at line 30 of file MenuState.cpp.

6.15.3.3 bool MenuState::onExit() [virtual]

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 51 of file MenuState.cpp.

```
6.15.3.4 void MenuState::render( ) [virtual]
```

Render the State Renders the state to the screen.

Reimplemented from **GameState** (p. 30).

Definition at line 19 of file MenuState.cpp.

```
6.15.3.5 bool MenuState::update() [virtual]
```

Update of the State Creates a setting state.

Returns

true if update was successful, false if not

Reimplemented from **GameState** (p. 30).

Definition at line 13 of file MenuState.cpp.

The documentation for this class was generated from the following files:

- header/MenuState.hpp
- source/MenuState.cpp

6.16 Net Class Reference

```
#include <Net.hpp>
```

Static Public Member Functions

- static bool Init ()
- static void Quit ()

6.16.1 Detailed Description

Definition at line 14 of file Net.hpp.

6.16.2 Member Function Documentation

```
6.16.2.1 bool Net::Init() [static]
```

Definition at line 3 of file Net.cpp.

```
6.16.2.2 void Net::Quit() [static]
```

Definition at line 14 of file Net.cpp.

The documentation for this class was generated from the following files:

- header/Net.hpp
- source/Net.cpp

6.17 NetMessage Class Reference

```
#include <Net.hpp>
```

Public Member Functions

- NetMessage ()
- virtual int NumToLoad ()
- virtual int NumToUnLoad ()
- void LoadBytes (charbuf &inputbuffer, int n)
- void UnLoadBytes (charbuf &destbuffer)
- void finish ()

Protected Types

enum bufstates { EMPTY, READING, WRITING, FULL }

Protected Member Functions

· void reset ()

Protected Attributes

- · charbuf buffer
- · bufstates state

6.17.1 Detailed Description

Definition at line 23 of file Net.hpp.

```
6.17.2 Member Enumeration Documentation
6.17.2.1 enum NetMessage::bufstates [protected]
Enumerator
     EMPTY
     READING
     WRITING
     FULL
Definition at line 48 of file Net.hpp.
6.17.3 Constructor & Destructor Documentation
6.17.3.1 NetMessage::NetMessage()
Definition at line 19 of file Net.cpp.
6.17.4 Member Function Documentation
6.17.4.1 void NetMessage::finish ( )
Definition at line 32 of file Net.cpp.
6.17.4.2 void NetMessage::LoadBytes ( charbuf & inputbuffer, int n )
Definition at line 54 of file Net.cpp.
6.17.4.3 int NetMessage::NumToLoad( ) [virtual]
Definition at line 38 of file Net.cpp.
6.17.4.4 int NetMessage::NumToUnLoad( ) [virtual]
Definition at line 46 of file Net.cpp.
6.17.4.5 void NetMessage::reset() [protected]
Definition at line 24 of file Net.cpp.
```

6.17.4.6 void NetMessage::UnLoadBytes (charbuf & destbuffer)

Definition at line 62 of file Net.cpp.

6.17.5 Member Data Documentation

6.17.5.1 charbuf NetMessage::buffer [protected]

Definition at line 46 of file Net.hpp.

6.17.5.2 bufstates NetMessage::state [protected]

Definition at line 50 of file Net.hpp.

The documentation for this class was generated from the following files:

- header/Net.hpp
- source/Net.cpp

6.18 PauseState Class Reference

#include <PauseState.hpp>

Inherits GameState.

Public Member Functions

• PauseState (GameStateMachine &stateMachine)

Explicit state constructor Creates a state.

• bool update ()

Update of the State Creates a setting state.

• void render ()

Render the State Renders the state to the screen.

• bool handleEvents ()

Handle events of the State Handles all events in the state.

• bool onEnter (std::string fileName)

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

bool onExit ()

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Additional Inherited Members

6.18.1 Detailed Description

Definition at line 12 of file PauseState.hpp.

6.18.2 Constructor & Destructor Documentation

6.18.2.1 PauseState::PauseState (GameStateMachine & stateMachine) [explicit]

Explicit state constructor Creates a state.

Parameters

| reference | to the GameStateMachine (p. 33) |
|-----------|---------------------------------|
|-----------|---------------------------------|

Definition at line 8 of file PauseState.cpp.

6.18.3 Member Function Documentation

```
6.18.3.1 bool PauseState::handleEvents() [virtual]
```

Handle events of the State Handles all events in the state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 24 of file PauseState.cpp.

6.18.3.2 bool PauseState::onEnter(std::string fileName) [virtual]

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

Parameters

| _ | | |
|---|----------|-------------------------------------|
| Γ | fileName | contains the filename with the data |

Returns

true if loading was successful, false if not

Reimplemented from **GameState** (p. 29).

Definition at line 30 of file PauseState.cpp.

6.18.3.3 bool PauseState::onExit() [virtual]

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 47 of file PauseState.cpp.

```
6.18.3.4 void PauseState::render() [virtual]
```

Render the State Renders the state to the screen.

Reimplemented from GameState (p. 30).

Definition at line 19 of file PauseState.cpp.

```
6.18.3.5 bool PauseState::update( ) [virtual]
```

Update of the State Creates a setting state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 30).

Definition at line 13 of file PauseState.cpp.

The documentation for this class was generated from the following files:

- header/PauseState.hpp
- source/PauseState.cpp

6.19 PlayState Class Reference

```
#include <PlayState.hpp>
```

Inherits GameState.

Public Member Functions

• PlayState (GameStateMachine &stateMachine)

Explicit state constructor Creates a state.

• bool update ()

Update of the State Creates a setting state.

• void render ()

Render the State Renders the state to the screen.

• bool handleEvents ()

Handle events of the State Handles all events in the state.

bool onEnter (std::string fileName)

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

• bool onExit ()

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Additional Inherited Members

6.19.1 Detailed Description

Definition at line 12 of file PlayState.hpp.

6.19.2 Constructor & Destructor Documentation

6.19.2.1 PlayState::PlayState (GameStateMachine & stateMachine) [explicit]

Explicit state constructor Creates a state.

Parameters

| reference | to the GameStateMachine (p. 33) |
|-----------|---------------------------------|
|-----------|---------------------------------|

Definition at line 9 of file PlayState.cpp.

6.19.3 Member Function Documentation

```
6.19.3.1 bool PlayState::handleEvents() [virtual]
```

Handle events of the State Handles all events in the state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 25 of file PlayState.cpp.

6.19.3.2 bool PlayState::onEnter (std::string fileName) [virtual]

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

Parameters

| fileName | contains the filename with the data |
|----------|-------------------------------------|

Returns

true if loading was successful, false if not

Reimplemented from **GameState** (p. 29).

Definition at line 31 of file PlayState.cpp.

6.19.3.3 bool PlayState::onExit() [virtual]

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 53 of file PlayState.cpp.

```
6.19.3.4 void PlayState::render() [virtual]
```

Render the State Renders the state to the screen.

Reimplemented from GameState (p. 30).

Definition at line 20 of file PlayState.cpp.

```
6.19.3.5 bool PlayState::update( ) [virtual]
```

Update of the State Creates a setting state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 30).

Definition at line 14 of file PlayState.cpp.

The documentation for this class was generated from the following files:

- header/PlayState.hpp
- source/PlayState.cpp

6.20 SettingState Class Reference

```
#include <SettingState.hpp>
```

Inherits GameState.

Public Member Functions

• SettingState (GameStateMachine &stateMachine)

Explicit state constructor Creates a state.

• bool update ()

Update of the State Creates a setting state.

• void render ()

Render the State Renders the state to the screen.

• bool handleEvents ()

Handle events of the State Handles all events in the state.

bool onEnter (std::string fileName)

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

• bool onExit ()

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Additional Inherited Members

6.20.1 Detailed Description

Definition at line 12 of file SettingState.hpp.

6.20.2 Constructor & Destructor Documentation

6.20.2.1 SettingState::SettingState (GameStateMachine & stateMachine) [explicit]

Explicit state constructor Creates a state.

Parameters

| reference | to the GameStateMachine (p. 33) |
|-----------|---------------------------------|
|-----------|---------------------------------|

Definition at line 3 of file SettingState.cpp.

6.20.3 Member Function Documentation

```
6.20.3.1 bool SettingState::handleEvents() [virtual]
```

Handle events of the State Handles all events in the state.

Returns

true if update was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 18 of file SettingState.cpp.

6.20.3.2 bool SettingState::onEnter (std::string *fileName*) [virtual]

OnEnter Loads all resources necessary for the state: Assets, music, sound, ttf, etc...

Parameters

| fileName | contains the filename with the data |
|----------|-------------------------------------|

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 23 of file SettingState.cpp.

6.20.3.3 bool SettingState::onExit() [virtual]

OnExit Unloads all resources necessary for the state: Assets, music, sound, ttf, etc...

Returns

true if loading was successful, false if not

Reimplemented from GameState (p. 29).

Definition at line 74 of file SettingState.cpp.

```
6.20.3.4 void SettingState::render() [virtual]
```

Render the State Renders the state to the screen.

Reimplemented from GameState (p. 30).

Definition at line 13 of file SettingState.cpp.

```
6.20.3.5 bool SettingState::update() [virtual]
```

Update of the State Creates a setting state.

Returns

true if update was successful, false if not

Reimplemented from **GameState** (p. 30).

Definition at line 8 of file SettingState.cpp.

The documentation for this class was generated from the following files:

- header/SettingState.hpp
- source/SettingState.cpp

6.21 SoundManager Class Reference

```
#include <SoundManager.hpp>
```

Public Member Functions

• bool init (int flags, unsigned freq, Uint16 format, unsigned channels, unsigned chunksize)

init Initialises the sound manager with some parameters

• bool **load** (std::string fileName, std::string soundID, **SoundType** soundType)

load Loads a SFX or a music file

void playSound (std::string soundID, int loop)

playSound Plays a certain sound

• void playMusic (std::string musicID, int loop)

playMusic Plays a certain music

void pauseMusic ()

pauseMusic Pauses music if some is played

void resumeMusic ()

resumeMusic Resumes music if it has been paused before

· void haltMusic ()

stopMusic Stops music if it has been paused before

bool isMusicPlaying ()

isMusicPlaying Returns true if music is playing or not

• bool isMusicPaused ()

isMusicPaused Returns true if music is paused or not

void removeSFX (std::string sfxID)

removeSFX Removes a SFX sound from the map

• void removeMusic (std::string musicID)

removeMusic Removes a music sound from the map

• void freeMemory ()

freeMemory Frees the memory used by the **SoundManager** (p. 55)

Static Public Member Functions

• static SoundManager * Instance ()

Instance Returns an instance pointer to the SoundManager (p. 55).

6.21.1 Detailed Description

Definition at line 23 of file SoundManager.hpp.

6.21.2 Member Function Documentation

6.21.2.1 void SoundManager::freeMemory() [inline]

freeMemory Frees the memory used by the **SoundManager** (p. 55)

Parameters

no params needed

Definition at line 148 of file SoundManager.hpp.

6.21.2.2 void SoundManager::haltMusic ()

stopMusic Stops music if it has been paused before

Parameters

no params needed

Definition at line 122 of file SoundManager.cpp.

6.21.2.3 bool SoundManager::init (int flags, unsigned freq, Uint16 format, unsigned channels, unsigned chunksize)

init Initialises the sound manager with some parameters

Parameters

| flags | for different file formats like mp3, wav and such |
|----------|---|
| freq | |
| format | |
| channels | |
| cunksize | |

Definition at line 34 of file SoundManager.cpp.

6.21.2.4 static SoundManager* SoundManager::Instance() [inline], [static]

Instance Returns an instance pointer to the SoundManager (p. 55).

Definition at line 32 of file SoundManager.hpp.

6.21.2.5 bool SoundManager::isMusicPaused() [inline]

isMusicPaused Returns true if music is paused or not

Parameters

no params needed

Definition at line 122 of file SoundManager.hpp.

6.21.2.6 bool SoundManager::isMusicPlaying() [inline]

isMusicPlaying Returns true if music is playing or not

Parameters

no params needed

Definition at line 114 of file SoundManager.hpp.

6.21.2.7 bool SoundManager::load (std::string fileName, std::string soundID, SoundType soundType)

load Loads a SFX or a music file

Parameters

| filename | necessary for which file will be loaded |
|-----------|--|
| soundID | how the loaded sound will be named |
| SoundType | which type of sound is it: SFX or music? |

Definition at line 54 of file SoundManager.cpp.

6.21.2.8 void SoundManager::pauseMusic ()

pauseMusic Pauses music if some is played

Parameters

no params needed

Definition at line 108 of file SoundManager.cpp.

6.21.2.9 void SoundManager::playMusic (std::string musicID, int loop)

playMusic Plays a certain music

Parameters

| soundID | which sound will be played |
|---------|---|
| loop | how many times will the sound be played |

Definition at line 101 of file SoundManager.cpp.

6.21.2.10 void SoundManager::playSound (std::string soundID, int loop)

playSound Plays a certain sound

Parameters

| soundID | which sound will be played |
|---------|---|
| loop | how many times will the sound be played |

Definition at line 95 of file SoundManager.cpp.

6.21.2.11 void SoundManager::removeMusic (std::string musicID)

removeMusic Removes a music sound from the map

Parameters

| music | which is the name of the music to be removed |
|-------|--|

Definition at line 136 of file SoundManager.cpp.

6.21.2.12 void SoundManager::removeSFX (std::string sfxID)

removeSFX Removes a SFX sound from the map

Parameters

| sfxID | which is the name of the sound to be removed |
|-------|--|
|-------|--|

Definition at line 129 of file SoundManager.cpp.

```
6.21.2.13 void SoundManager::resumeMusic ( )
```

resumeMusic Resumes music if it has been paused before

Parameters

```
no params needed
```

Definition at line 115 of file SoundManager.cpp.

The documentation for this class was generated from the following files:

- header/SoundManager.hpp
- source/SoundManager.cpp

6.22 SystemTime Class Reference

```
#include <SystemTime.hpp>
```

Public Member Functions

```
• std::string getDate ()
```

getDate() (p. 60) Get the current date

• std::string getTime ()

getTime() (p. 60) Get the current time

• std::string getDateTime ()

getDateTime() (p. 60) Get the current date and time

• std::string getASCTime ()

getASCTime() (p. 60) Get the current date in american format

• void startTimer ()

startTimer() (p. 61) Starts the timer

· void endTimer ()

endTimer() (p. 60) Get the current date

• std::string getTimerValue ()

getTimerValue() (p. 61) Get the timer value

Static Public Member Functions

• static SystemTime * Instance ()

Instance of **SystemTime** (p. 59) Get the **SystemTime** (p. 59) instance.

6.22.1 Detailed Description

Definition at line 14 of file SystemTime.hpp.

```
6.22.2 Member Function Documentation
6.22.2.1 void SystemTime::endTimer()
endTimer() (p. 60) Get the current date
Returns
      string with current date
Definition at line 83 of file SystemTime.cpp.
6.22.2.2 std::string SystemTime::getASCTime ( )
getASCTime() (p. 60) Get the current date in american format
Returns
      string with current date
Definition at line 63 of file SystemTime.cpp.
6.22.2.3 std::string SystemTime::getDate ( )
getDate() (p. 60) Get the current date
Returns
      string with current date
Definition at line 16 of file SystemTime.cpp.
6.22.2.4 std::string SystemTime::getDateTime ( )
getDateTime() (p. 60) Get the current date and time
Returns
      string with current date and time
Definition at line 47 of file SystemTime.cpp.
6.22.2.5 std::string SystemTime::getTime()
getTime() (p. 60) Get the current time
Returns
      string with current time
Definition at line 31 of file SystemTime.cpp.
```

```
6.22.2.6 std::string SystemTime::getTimerValue ( )

getTimerValue() (p. 61) Get the timer value

Returns
    string with timer value in milliseconds

Definition at line 89 of file SystemTime.cpp.

6.22.2.7 static SystemTime* SystemTime::Instance ( ) [inline], [static]

Instance of SystemTime (p. 59) Get the SystemTime (p. 59) instance.

Definition at line 23 of file SystemTime.hpp.

6.22.2.8 void SystemTime::startTimer ( )

startTimer() (p. 61) Starts the timer

Returns
    void
```

Definition at line 77 of file SystemTime.cpp.

The documentation for this class was generated from the following files:

- header/SystemTime.hpp
- source/SystemTime.cpp

6.23 TcpSocket Class Reference

```
#include <Net.hpp>
```

Inherited by ClientSocket, and HostSocket.

Public Member Functions

- TcpSocket ()
- virtual ∼TcpSocket ()
- virtual void SetSocket (TCPsocket the_sdl_socket)
- bool Ok () const
- · bool Ready () const
- virtual void OnReady ()

Protected Attributes

- TCPsocket m_Socket
- SDLNet_SocketSet set

6.23.1 Detailed Description

Definition at line 83 of file Net.hpp.

6.23.2 Constructor & Destructor Documentation

```
6.23.2.1 TcpSocket::TcpSocket()
```

Definition at line 122 of file Net.cpp.

```
6.23.2.2 TcpSocket::~TcpSocket( ) [virtual]
```

Definition at line 128 of file Net.cpp.

6.23.3 Member Function Documentation

```
6.23.3.1 bool TcpSocket::Ok ( ) const
```

Definition at line 155 of file Net.cpp.

```
6.23.3.2 void TcpSocket::OnReady( ) [virtual]
```

Reimplemented in ClientSocket (p. 19), and HostSocket (p. 36).

Definition at line 173 of file Net.cpp.

6.23.3.3 bool TcpSocket::Ready () const

Definition at line 160 of file Net.cpp.

6.23.3.4 void TcpSocket::SetSocket (TCPsocket the_sdl_socket) [virtual]

Reimplemented in ClientSocket (p. 19).

Definition at line 138 of file Net.cpp.

6.23.4 Member Data Documentation

6.23.4.1 TCPsocket TcpSocket::m_Socket [protected]

Definition at line 101 of file Net.hpp.

6.23.4.2 SDLNet_SocketSet TcpSocket::set [protected]

Definition at line 103 of file Net.hpp.

The documentation for this class was generated from the following files:

- header/Net.hpp
- source/Net.cpp

6.24 TextAsset Struct Reference

TextAsset (p. 63) A structure which contains all necessary data of an text.

```
#include <Asset.hpp>
```

Public Attributes

- std::string text = "none"
- std::string **fontName** = "none"
- std::string textureID = "none"
- std::string viewportID = "none"
- std::string colorID = "none"
- SDL_Rect destRect = {0}
- SDL_Rect **srcRect** = {0}
- double angle = 0.0d
- SDL_Point center = {0}
- FLIP sdIFlip = FLIP::NONE
- TEXTQUALITY textQuality = TEXTQUALITY::SOLID

6.24.1 Detailed Description

TextAsset (p. 63) A structure which contains all necessary data of an text.

Definition at line 50 of file Asset.hpp.

6.24.2 Member Data Documentation

6.24.2.1 double TextAsset::angle = 0.0d

Definition at line 59 of file Asset.hpp.

6.24.2.2 SDL_Point TextAsset::center = {0} Definition at line 60 of file Asset.hpp. 6.24.2.3 std::string TextAsset::colorID = "none" Definition at line 56 of file Asset.hpp. 6.24.2.4 SDL_Rect TextAsset::destRect = {0} Definition at line 57 of file Asset.hpp. 6.24.2.5 std::string TextAsset::fontName = "none" Definition at line 53 of file Asset.hpp. 6.24.2.6 FLIP TextAsset::sdlFlip = FLIP::NONE Definition at line 61 of file Asset.hpp. 6.24.2.7 SDL_Rect TextAsset::srcRect = {0} Definition at line 58 of file Asset.hpp. 6.24.2.8 std::string TextAsset::text = "none" Definition at line 52 of file Asset.hpp. 6.24.2.9 TEXTQUALITY TextAsset::textQuality = TEXTQUALITY::SOLID Definition at line 62 of file Asset.hpp. 6.24.2.10 std::string TextAsset::textureID = "none" Definition at line 54 of file Asset.hpp. 6.24.2.11 std::string TextAsset::viewportID = "none"

header/Asset.hpp

Definition at line 55 of file Asset.hpp.

The documentation for this struct was generated from the following file:

6.25 Texture Class Reference

```
#include <Texture.hpp>
```

Public Member Functions

• Texture ()

Texture (p. 65) Constructor for a texture.

∼Texture ()

SoundType Destructor for a texture.

· void free ()

free frees the memory used by the texture

• bool loadFromFile (std::string path, bool colorKeying=false, SDL_Color colorKey={0, 255, 255, 255})

loadFromFile Loads a texture from a path

bool loadFromRenderedText (TTF_Font *font, std::string text, SDL_Color textColor, TextQuality text
 —
 Quality=TextQuality::SOLID)

loadFromRenderedText Loads a font from a path

• void setColor (SDL_Color color)

setColor Modulates the color of a the texture

void setBlendMode (SDL_BlendMode blending)

setColor Modulates the color of a the texture

void setAlpha (Uint8 alpha)

setColor Modulates the color of a the texture

• void **render** (int x, int y, SDL_Rect *clip=nullptr, SDL_Rect viewport={0}, double angle=0.d, SDL_Point *center=nullptr, SDL_RendererFlip flip=SDL_FLIP_NONE)

render The textures render function

· const int & getHeight () const

render Returns the height of the texture

· const int & getWidth () const

render Returns the width of the texture

6.25.1 Detailed Description

Definition at line 25 of file Texture.hpp.

6.25.2 Constructor & Destructor Documentation

```
6.25.2.1 Texture::Texture ( )
```

Texture (p. 65) Constructor for a texture.

Definition at line 6 of file Texture.cpp.

```
6.25.2.2 Texture::\simTexture ( )
```

SoundType Destructor for a texture.

Definition at line 14 of file Texture.cpp.

6.25.3 Member Function Documentation

```
6.25.3.1 void Texture::free ( )
```

free frees the memory used by the texture

Definition at line 21 of file Texture.cpp.

```
6.25.3.2 const int& Texture::getHeight() const [inline]
```

render Returns the height of the texture

Definition at line 120 of file Texture.hpp.

```
6.25.3.3 const int& Texture::getWidth() const [inline]
```

render Returns the width of the texture

Definition at line 127 of file Texture.hpp.

```
6.25.3.4 bool Texture::loadFromFile ( std::string path, bool colorKeying = false, SDL_Color colorKey = { 0, 255, 255, 255 } )
```

loadFromFile Loads a texture from a path

Parameters

| path | to the file with the resource |
|-------------|--|
| colorKeying | by standard false, deletes a color while drawing the texture |
| colorKey | the a, r, g and b color values used by colorKeying |

Definition at line 34 of file Texture.cpp.

6.25.3.5 bool Texture::loadFromRenderedText (TTF_Font * font, std::string text, SDL_Color textColor, TextQuality textQuality : SOLID)

loadFromRenderedText Loads a font from a path

Parameters

| font | the ttf font which is used for the text |
|-------------|--|
| text | is the text which will be used |
| textColor | the color of the text |
| TextQuality | the quality of the text, standard is solid which means lowest possible |

Definition at line 79 of file Texture.cpp.

6.25.3.6 void Texture::render (int x, int y, SDL_Rect * clip = nullptr, SDL_Rect viewport = { 0 }, double angle = 0 . d, SDL_Point * center = nullptr, SDL_RendererFlip flip = SDL_FLIP_NONE)

render The textures render function

Parameters

| X | the x coordinate of the upper left |
|----------|--|
| У | the y coordinate of the upper left |
| clip | defines a part of the texture which will be rendered |
| viewport | the viewport for the texture |
| angle | in which angle the texture will be drawn |
| center | the center of the texture |
| flip | is the texture flipped: horizontal or vertical |

Definition at line 152 of file Texture.cpp.

6.25.3.7 void Texture::setAlpha (Uint8 alpha)

setColor Modulates the color of a the texture

Parameters

| blending changes the alpha of the | texture |
|-----------------------------------|---------|
|-----------------------------------|---------|

Definition at line 145 of file Texture.cpp.

6.25.3.8 void Texture::setBlendMode (SDL_BlendMode blending)

setColor Modulates the color of a the texture

Parameters

| blending | changes the blending of the texture |
|----------|-------------------------------------|
|----------|-------------------------------------|

Definition at line 138 of file Texture.cpp.

6.25.3.9 void Texture::setColor (SDL_Color color)

setColor Modulates the color of a the texture

Parameters

| color | the new color of the texture |
|-------|------------------------------|

Definition at line 131 of file Texture.cpp.

The documentation for this class was generated from the following files:

- · header/Texture.hpp
- source/Texture.cpp

6.26 TextureManager Class Reference

#include <TextureManager.hpp>

Public Member Functions

bool initTextureManager (int imgFlags)

initTextureManager Inits the manager with the necessary file formats used in the application

bool loadColor (std::string id, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

loadColor Loads a color and stores it for further use

bool loadFont (std::string file, int pointSize, std::string id)

loadFont Loads a font and stores it for further use

bool loadImageTexture (std::string path, std::string textureID, bool colorKeying=false, std::string color
 Key="cyan")

loadImageTexture Loads a image in a texture and stores it for further use

bool loadTextTexture (std::string fontID, std::string text, std::string colorID, std::string textureID, TextQuality textQuality=TextQuality::SOLID)

loadTextTexture Loads a text in a texture and stores it for further use

• void **addViewport** (int x, int y, int w, int h, std::string keyOfViewport)

addViewport Adds a viewport to the map for further use

void addViewport (SDL_Rect &viewport, std::string keyOfViewport)

addViewport Adds a viewport to the map for further use

SDL_Rect & getViewport (std::string viewportID)

addViewport Returns a viewport which was stored before

bool hasTexture (std::string textureID)

hasTexture Checks if a texture exists already

void setColorOfTexture (std::string textureID, std::string colorID)

setColorOfTexture Sets the color of a texture

• void **setBlendModeOfTexture** (std::string textureID, SDL_BlendMode blending)

setBlendModeOfTexture Sets the blending mode to NONE, ALPHA, ADD or MOD

void setAlphaOfTexture (std::string textureID, Uint8 alpha)

setAlphaOfTexture Changes the transparency of a texture

const int getHeightOfTexture (std::string textureID)

getHeightOfTexture Returns the height of the texture

const int getWidthOfTexture (std::string textureID)

getWidthOfTexture Returns the width of the texture

• void **drawTexture** (std::string textureID, int x, int y, SDL_Rect *clip=nullptr, std::string viewportID="screen", double angle=0, SDL_Point *center=nullptr, SDL_RendererFlip flip=SDL_FLIP_NONE)

drawTexture Draws a texture to the screen

• void drawBox (std::string viewportID, int x1, int x2, int y1, int y2, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

drawBox Draws a box to the screen

• void drawCircle (std::string viewportID, int x, int y, int radius, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

drawCircle Draws a circle to the screen

• void **drawEllipse** (std::string viewportID, int x, int y, int rx, int ry, Uint8 r, Uint8 g, Uint8 **b**, Uint8 a) drawEllipse Draws an ellipse to the screen

· void removeTexture (std::string id)

removeTexture Removes a texture from the manager

void removeColor (std::string id)

removeColor Removes a color from the manager

void removeFont (std::string id)

removeFont Removes a font from the manager

void removeViewport (std::string id)

removeViewport Removes a viewport from the manager

• void freeMemory ()

freeMemory Frees the memory used by the **TextureManager** (p. 68)

Static Public Member Functions

• static TextureManager * Instance ()

Instance Returns a singleton pointer to the texture manager.

6.26.1 Detailed Description

Definition at line 16 of file TextureManager.hpp.

6.26.2 Member Function Documentation

6.26.2.1 void TextureManager::addViewport (int x, int y, int w, int h, std::string keyOfViewport)

addViewport Adds a viewport to the map for further use

Parameters

| X | the upper left x coordinate |
|---------------|--|
| У | the upper left y coordinate |
| W | the width of the viewport |
| h | the height of the viewport |
| keyOfViewport | the name of the viewport for further use |

Definition at line 160 of file TextureManager.cpp.

6.26.2.2 void TextureManager::addViewport (SDL_Rect & viewport, std::string keyOfViewport)

addViewport Adds a viewport to the map for further use

Parameters

| viewport | a sdl rectangle variable which contains x, y, w and h values |
|---------------|--|
| keyOfViewport | the name of the viewport for further use |

Definition at line 149 of file TextureManager.cpp.

6.26.2.3 void TextureManager::drawBox (std::string viewportID, int x1, int x2, int y1, int y2, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

drawBox Draws a box to the screen

Parameters

| viewportID | to which viewport will be drawn? | |
|------------|---|--|
| x1 | left x coordinate of the box | |
| x2 | right x coordinate of the box | |
| y1 | upper y coordinate of the box | |
| y2 | lower y coordinate of the box | |
| r | red part of the color, 0-255 | |
| g | green part of the color, 0-255 | |
| b | blue part of the color, 0-255 | |
| а | alpha of the color, how opaque it is, 0-255 | |

Definition at line 210 of file TextureManager.cpp.

6.26.2.4 void TextureManager::drawCircle (std::string viewportID, int x, int y, int radius, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

drawCircle Draws a circle to the screen

Parameters

| viewportID | to which viewport will be drawn? | |
|------------|---|--|
| X | coordinate of the center | |
| У | coordinate of the center | |
| radius | distance to the center | |
| r | red part of the color, 0-255 | |
| g | green part of the color, 0-255 | |
| b | blue part of the color, 0-255 | |
| а | alpha of the color, how opaque it is, 0-255 | |

Definition at line 217 of file TextureManager.cpp.

6.26.2.5 void TextureManager::drawEllipse (std::string viewportID, int x, int y, int rx, int ry, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

drawEllipse Draws an ellipse to the screen

Parameters

| viewportID | to which viewport will be drawn? |
|------------|----------------------------------|
| X | coordinate of the center |
| У | coordinate of the center |
| rx | x distance to the center |

Parameters

| ry | y distance to the center | |
|----|---|--|
| r | red part of the color, 0-255 | |
| g | green part of the color, 0-255 | |
| b | blue part of the color, 0-255 | |
| а | alpha of the color, how opaque it is, 0-255 | |

Definition at line 224 of file TextureManager.cpp.

```
6.26.2.6 void TextureManager::drawTexture ( std::string textureID, int x, int y, SDL_Rect * clip = nullptr, std::string viewportID = "screen", double angle = 0, SDL_Point * center = nullptr, SDL_RendererFlip flip = SDL_FLIP_NONE )
```

drawTexture Draws a texture to the screen

Parameters

| textureID | the name of the texture | |
|------------|---|--|
| X | coordinate of upper left | |
| у | coordinate of upper left | |
| clip | part of the texture which will be drawn instead | |
| viewportID | to which viewport will be drawn? | |
| angle | of the texture | |
| center | of the texture | |
| flip | of the texture, HORIZONTAL or VERTICAL | |

Definition at line 204 of file TextureManager.cpp.

6.26.2.7 void TextureManager::freeMemory() [inline]

freeMemory Frees the memory used by the **TextureManager** (p. 68)

Parameters

| no | params needed |
|----|---------------|

Definition at line 277 of file TextureManager.hpp.

6.26.2.8 const int TextureManager::getHeightOfTexture(std::string textureID) [inline]

getHeightOfTexture Returns the height of the texture

Parameters

Definition at line 163 of file TextureManager.hpp.

6.26.2.9 SDL_Rect & TextureManager::getViewport (std::string viewportID)

addViewport Returns a viewport which was stored before

Parameters

viewportID the name of the viewport which will be looked for

Definition at line 171 of file TextureManager.cpp.

6.26.2.10 const int TextureManager::getWidthOfTexture(std::string textureID) [inline]

getWidthOfTexture Returns the width of the texture

Parameters

textureID the name of the texture

Definition at line 171 of file TextureManager.hpp.

6.26.2.11 bool TextureManager::hasTexture (std::string textureID)

hasTexture Checks if a texture exists already

Parameters

viewportID the name of the viewport which will be looked for

Definition at line 177 of file TextureManager.cpp.

6.26.2.12 bool TextureManager::initTextureManager (int imgFlags)

initTextureManager Inits the manager with the necessary file formats used in the application

Parameters

imgFlags used for the file formats

Definition at line 42 of file TextureManager.cpp.

6.26.2.13 static TextureManager* TextureManager::Instance() [inline], [static]

Instance Returns a singleton pointer to the texture manager.

Definition at line 25 of file TextureManager.hpp.

6.26.2.14 bool TextureManager::loadColor (std::string id, Uint8 r, Uint8 g, Uint8 b, Uint8 a)

loadColor Loads a color and stores it for further use

Parameters

| id | name of the color |
|----|-------------------------------|
| r | red part of the color 0-255 |
| g | green part of the color 0-255 |
| b | blue part of the color 0-255 |
| а | alpha of the color 0-255 |

Definition at line 61 of file TextureManager.cpp.

6.26.2.15 bool TextureManager::loadFont (std::string file, int pointSize, std::string id)

loadFont Loads a font and stores it for further use

Parameters

| file | path to the font file |
|-----------|------------------------|
| pointSize | the size of the color |
| id | the id for further use |

Definition at line 71 of file TextureManager.cpp.

6.26.2.16 bool TextureManager::loadImageTexture (std::string path, std::string textureID, bool colorKeying = false, std::string colorKey = "cyan")

loadImageTexture Loads a image in a texture and stores it for further use

Parameters

| path | to the font file | |
|-------------|---|--|
| textureID | name of the texture for further use | |
| colorKeying | is color keying used or not? standard false | |
| colorKey | is the color which is used for color keying, standard is cyan | |

Definition at line 94 of file TextureManager.cpp.

6.26.2.17 bool TextureManager::loadTextTexture (std::string fontID, std::string text, std::string colorID, std::string textureID, TextQuality = TextQuality : :SOLID)

loadTextTexture Loads a text in a texture and stores it for further use

Parameters

| fontID | name of the fontFile which is used for the text |
|-------------|---|
| text | the text which is rendered to the texture |
| colorID | the color which is used for the text |
| textureID | the name of the texture for further use |
| TextQuality | the quality of the text, SOLID = lowest, SHADED = medium, BLENDED = highest |

Definition at line 125 of file TextureManager.cpp.

6.26.2.18 void TextureManager::removeColor (std::string id) [inline]

removeColor Removes a color from the manager

Parameters

Definition at line 252 of file TextureManager.hpp.

6.26.2.19 void TextureManager::removeFont (std::string id)

removeFont Removes a font from the manager

Parameters

| ic | 1 | name of the font which will be removed |
|----|---|--|

Definition at line 238 of file TextureManager.cpp.

6.26.2.20 void TextureManager::removeTexture (std::string id)

removeTexture Removes a texture from the manager

Parameters

| id | name of the texture which will be removed |
|----|---|
|----|---|

Definition at line 231 of file TextureManager.cpp.

6.26.2.21 void TextureManager::removeViewport (std::string *id* **)** [inline]

removeViewport Removes a viewport from the manager

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Parameters

| id name of the viewport which will be removed |
|---|
|---|

Definition at line 268 of file TextureManager.hpp.

6.26.2.22 void TextureManager::setAlphaOfTexture (std::string textureID, Uint8 alpha)

setAlphaOfTexture Changes the transparency of a texture

Parameters

| textureID | the name of the texture |
|-----------|-------------------------------|
| alpha | the alpha of a texture, 0-255 |

Definition at line 198 of file TextureManager.cpp.

6.26.2.23 void TextureManager::setBlendModeOfTexture(std::string textureID, SDL_BlendMode blending)

setBlendModeOfTexture Sets the blending mode to NONE, ALPHA, ADD or MOD

Parameters

| textureID | the name of the texture |
|-----------|--|
| blending | the blending mode to NONE, ALPHA, ADD or MOD |

Definition at line 192 of file TextureManager.cpp.

6.26.2.24 void TextureManager::setColorOfTexture (std::string textureID, std::string colorID)

setColorOfTexture Sets the color of a texture

Parameters

| textureID | the name of the texture |
|-----------|--|
| colorID | the name of the color, must be loaded previously |

Definition at line 186 of file TextureManager.cpp.

The documentation for this class was generated from the following files:

- header/TextureManager.hpp
- source/TextureManager.cpp

6.27 Timer Class Reference

#include <Timer.hpp>

76 **Class Documentation**

Public Member Functions • Timer () Constructor Simple Constructor, initialises members. · void start () start Starts the timer by setting member variable to SDL_GetTicks() • void stop () stop Stops the timer, resets the variables · void pause () pauses Pauses the timer • void unpause () pauses Unpauses the timer • Uint32 getTicks () getTicks How long the timer was running • const bool & isStarted () const isStarted Is the timer started? · const bool isPaused () const isPaused Is the timer started and paused 6.27.1 Detailed Description Definition at line 13 of file Timer.hpp. 6.27.2 Constructor & Destructor Documentation 6.27.2.1 Timer::Timer ()

Constructor Simple Constructor, initialises members.

Definition at line 4 of file Timer.cpp.

6.27.3 Member Function Documentation

6.27.3.1 Uint32 Timer::getTicks ()

getTicks How long the timer was running

Returns

ticks in milliseconds

Definition at line 62 of file Timer.cpp.

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```
6.27.3.2 const bool Timer::isPaused ( ) const [inline]
isPaused Is the timer started and paused
Returns
      boolean true if started and paused, false if not
Definition at line 77 of file Timer.hpp.
6.27.3.3 const bool& Timer::isStarted( ) const [inline]
isStarted Is the timer started?
Returns
      boolean true if started, false if not
Definition at line 69 of file Timer.hpp.
6.27.3.4 void Timer::pause ( )
pauses Pauses the timer
Definition at line 35 of file Timer.cpp.
6.27.3.5 void Timer::start ( )
start Starts the timer by setting member variable to SDL_GetTicks()
Definition at line 14 of file Timer.cpp.
6.27.3.6 void Timer::stop ( )
stop Stops the timer, resets the variables
Definition at line 25 of file Timer.cpp.
6.27.3.7 void Timer::unpause ( )
pauses Unpauses the timer
Definition at line 47 of file Timer.cpp.
The documentation for this class was generated from the following files:
```

- · header/Timer.hpp
- source/Timer.cpp

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6.28 Vector2D Class Reference

#include <Vector2D.hpp>

Public Member Functions

· Vector2D ()

Constructor Simple Constructor, initialises members.

• Vector2D (float x, float y)

Constructor Constructor with x and y coordinates.

• \sim Vector2D ()

Destructor Destructor which does not much.

• const float getXPos () const

getXPos Returns the XPos

· const float getYPos () const

getYPos Returns the YPos

· const float calcLength () const

calcLength Calculates the length of the vector

void setXPos (float newXPos)

setXPos Sets the XPos to a new value

void setYPos (float newYPos)

setYPos Sets the YPos to a new value

6.28.1 Detailed Description

Definition at line 12 of file Vector2D.hpp.

6.28.2 Constructor & Destructor Documentation

6.28.2.1 Vector2D::Vector2D()

Constructor Simple Constructor, initialises members.

Definition at line 4 of file Vector2D.cpp.

6.28.2.2 Vector2D::Vector2D (float x, float y)

Constructor Constructor with x and y coordinates.

Parameters

| Х | coordinate / position |
|---|-----------------------|
| У | coordinate / position |

Definition at line 11 of file Vector2D.cpp.

```
6.28.2.3 Vector2D::∼Vector2D( ) [inline]
Destructor Destructor which does not much.
Definition at line 37 of file Vector2D.hpp.
6.28.3 Member Function Documentation
6.28.3.1 const float Vector2D::calcLength ( ) const
calcLength Calculates the length of the vector
Returns
     length of the vector
Definition at line 18 of file Vector2D.cpp.
6.28.3.2 const float Vector2D::getXPos() const [inline]
getXPos Returns the XPos
Returns
     xPos Coordinate
Definition at line 46 of file Vector2D.hpp.
6.28.3.3 const float Vector2D::getYPos() const [inline]
getYPos Returns the YPos
Returns
     yPos Coordinate
Definition at line 54 of file Vector2D.hpp.
6.28.3.4 void Vector2D::setXPos (float newXPos) [inline]
setXPos Sets the XPos to a new value
Definition at line 71 of file Vector2D.hpp.
```

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6.28.3.5 void Vector2D::setYPos (float newYPos) [inline]

setYPos Sets the YPos to a new value

Definition at line 78 of file Vector2D.hpp.

The documentation for this class was generated from the following files:

- header/Vector2D.hpp
- source/Vector2D.cpp

6.29 Viewport Struct Reference

Struct Viewport (p. 80) Uses some parameters to describe a framework viewport.

```
#include <Viewport.hpp>
```

Public Attributes

- std::string viewportID = "none"
- std::string textureID = "none"
- std::string alignment = "none"
- SDL_Rect viewport = {0}
- float percentageX = 1.0f
- float percentageY = 1.0f

6.29.1 Detailed Description

Struct Viewport (p. 80) Uses some parameters to describe a framework viewport.

Parameters

| viewportID | The name of the viewport |
|-------------|---|
| textureID | The texture associated to the viewport |
| alignment | |
| viewport | A SDL_Rect holding x, y, width and height |
| percentageX | |
| percentageY | |

Definition at line 25 of file Viewport.hpp.

6.29.2 Member Data Documentation

6.29.2.1 std::string Viewport::alignment = "none"

Definition at line 29 of file Viewport.hpp.

6.29.2.2 float Viewport::percentageX = 1.0f

Definition at line 31 of file Viewport.hpp.

6.29.2.3 float Viewport::percentageY = 1.0f

Definition at line 32 of file Viewport.hpp.

6.29.2.4 std::string Viewport::textureID = "none"

Definition at line 28 of file Viewport.hpp.

6.29.2.5 SDL_Rect Viewport::viewport = {0}

Definition at line 30 of file Viewport.hpp.

6.29.2.6 std::string Viewport::viewportID = "none"

Definition at line 27 of file Viewport.hpp.

The documentation for this struct was generated from the following file:

header/Viewport.hpp

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Chapter 7

File Documentation

7.1 header/Asset.hpp File Reference

```
#include <SDL2/SDL.h>
#include <string>
#include "../header/CommonEnums.hpp"
```

Classes

struct GFXAsset

GFXAsset (p. 35) A structure which contains all necessary data of an gfx.

· struct ImageAsset

ImageAsset (p. 36) A structure which contains all necessary data of an image.

struct TextAsset

TextAsset (p. 63) A structure which contains all necessary data of an text.

7.2 header/CommonEnums.hpp File Reference

Enumerations

• enum FLIP { FLIP::NONE, FLIP::FLIP_HORIZONTAL, FLIP::FLIP_VERTICAL }

Flip Flip defines constants for no flip (NONE), horizontal flip (FLIP_HORIZONTAL) and vertical flip (FLIP_VERTICAL) It will be converted in the SDL counterpart.

enum TEXTQUALITY { TEXTQUALITY::SOLID, TEXTQUALITY::SHADED, TEXTQUALITY::BLENDED }

TextQuality TextQuality defines the render quality of text Solid = low quality Shaded = medium quality Blended = high quality.

· enum States {

States::None, States::Menu, States::Play, States::Pause,

States::GameOver, States::Setting }

States States defines constants for each state.

• enum StateAction { StateAction::Push, StateAction::Pop, StateAction::Clear }

StateAction StateAction defines constants for each state action.

7.2.1 Detailed Description

Common enums used throughout the framework

7.2.2 Enumeration Type Documentation

```
7.2.2.1 enum FLIP [strong]
```

Flip Flip defines constants for no flip (NONE), horizontal flip (FLIP_HORIZONTAL) and vertical flip (FLIP_VERTI ← CAL) It will be converted in the SDL counterpart.

Enumerator

```
NONE
```

FLIP_HORIZONTAL FLIP_VERTICAL

Definition at line 19 of file CommonEnums.hpp.

```
7.2.2.2 enum StateAction [strong]
```

StateAction StateAction defines constants for each state action.

Enumerator

Push

Pop

Clear

Definition at line 43 of file CommonEnums.hpp.

```
7.2.2.3 enum States [strong]
```

States States defines constants for each state.

Enumerator

None

Menu

Play

Pause

GameOver

Setting

Definition at line 36 of file CommonEnums.hpp.

```
7.2.2.4 enum TEXTQUALITY [strong]
```

TextQuality TextQuality defines the render quality of text Solid = low quality Shaded = medium quality Blended = high quality.

Enumerator

SOLID SHADED BLENDED

Definition at line 29 of file CommonEnums.hpp.

7.3 header/Game.hpp File Reference

```
#include <iostream>
#include <fstream>
#include <map>
#include <nlohmann/json.hpp>
#include <SDL2/SDL.h>
#include "../header/GameStateMachine.hpp"
#include "../header/Texture.hpp"
#include "../header/Timer.hpp"
```

Classes

· class Game

7.3.1 Detailed Description

The Game (p. 19) class is an important class for the application

7.4 header/GameObject.hpp File Reference

```
#include <SDL2/SDL.h>
#include <string>
#include "../header/CommonEnums.hpp"
#include "../header/Vector2D.hpp"
```

Classes

· class GameObject

7.4.1 Detailed Description

General game objects

7.5 header/GameOverState.hpp File Reference

```
#include "../header/GameState.hpp"
```

Classes

· class GameOverState

7.5.1 Detailed Description

Game (p. 19) over state

7.6 header/GameState.hpp File Reference

```
#include <fstream>
#include <functional>
#include <map>
#include <nlohmann/json.hpp>
#include <SDL2/SDL.h>
#include <string>
#include <vector>
#include "../header/Asset.hpp"
#include "../header/MenuButton.hpp"
#include "../header/TextureManager.hpp"
#include "../header/Viewport.hpp"
```

Classes

· class GameState

7.6.1 Detailed Description

Base class for all game states

7.7 header/GameStateMachine.hpp File Reference

```
#include <functional>
#include <map>
#include <memory>
#include <utility>
#include "../header/CommonEnums.hpp"
#include "../header/GameState.hpp"
```

Classes

· class GameStateMachine

7.7.1 Detailed Description

Finite state machine handling the states in a proper way

7.8 header/InputManager.hpp File Reference

```
#include <iostream>
#include <SDL2/SDL.h>
#include <vector>
#include "../header/Vector2D.hpp"
```

Classes

· class InputManager

Enumerations

- enum $mouse_buttons$ { LEFT, MIDDLE, RIGHT }

mouse_buttons Enum for the mouse buttons

7.8.1 Detailed Description

The InputManager (p. 38) handles all input from different devices like mouse, keyboard and joysticks or gamepads

7.8.2 Enumeration Type Documentation

7.8.2.1 enum mouse_buttons

mouse_buttons Enum for the mouse buttons

Enumerator

LEFT

MIDDLE

RIGHT

Definition at line 23 of file InputManager.hpp.

7.9 header/Logfile.hpp File Reference

```
#include <fstream>
#include <nlohmann/json.hpp>
#include <string>
```

Classes

• class Logfile

7.10 header/MenuButton.hpp File Reference

```
#include <functional>
#include "../header/CommonEnums.hpp"
#include "../header/GameObject.hpp"
```

Classes

• struct Button

Button (p. 14) struct Structure for saving init values of a button.

class MenuButton

7.10.1 Detailed Description

Menu button for something to click on

7.11 header/MenuState.hpp File Reference

```
#include "../header/GameState.hpp"
```

Classes

· class MenuState

7.11.1 Detailed Description

Menu state

7.12 header/Net.hpp File Reference

```
#include <cstring>
#include <iostream>
#include <SDL2/SDL_net.h>
#include <stdio.h>
#include <stdlib.h>
#include <string>
#include <string.h>
```

Classes

- class Net
- class NetMessage
- class _lpAddress
- class TcpSocket
- · class HostSocket
- · class ClientSocket

Typedefs

• typedef char charbuf[256]

7.12.1 Typedef Documentation

7.12.1.1 typedef char charbuf[256]

Definition at line 12 of file Net.hpp.

7.13 header/PauseState.hpp File Reference

```
#include "../header/GameState.hpp"
```

Classes

class PauseState

7.13.1 Detailed Description

Pause state

7.14 header/PlayState.hpp File Reference

```
#include "../header/GameState.hpp"
```

Classes

· class PlayState

7.14.1 Detailed Description

Play state

7.15 header/SettingState.hpp File Reference

```
#include "../header/GameState.hpp"
```

Classes

· class SettingState

7.15.1 Detailed Description

Setting state

7.16 header/SoundManager.hpp File Reference

```
#include <iostream>
#include <map>
#include <SDL2/SDL_mixer.h>
#include <string>
```

Classes

· class SoundManager

Enumerations

enum SoundType { SOUND_MUSIC, SOUND_SFX }
 SoundType Constants for Music or SFX.

7.16.1 Detailed Description

The SoundManager (p. 55) handles all music and sound effects

7.16.2 Enumeration Type Documentation

7.16.2.1 enum SoundType

SoundType Constants for Music or SFX.

Enumerator

SOUND_MUSIC SOUND_SFX

Definition at line 21 of file SoundManager.hpp.

7.17 header/SystemTime.hpp File Reference

```
#include <sstream>
#include <string>
#include <time.h>
```

Classes

class SystemTime

7.17.1 Detailed Description

System Time functions

7.18 header/Texture.hpp File Reference

```
#include <iostream>
#include <SDL2/SDL.h>
#include <SDL2/SDL_image.h>
#include <SDL2/SDL_ttf.h>
#include <string>
```

Classes

· class Texture

Enumerations

enum TextQuality { SOLID, SHADED, BLENDED }
 SoundType Constants for text quality SOLID = low, SHADED = medium, BLENDED = high.

7.18.1 Detailed Description

The Texture-Class handles all textures in the application

7.18.2 Enumeration Type Documentation

7.18.2.1 enum TextQuality

SoundType Constants for text quality SOLID = low, SHADED = medium, BLENDED = high.

Enumerator

SOLID SHADED BLENDED

Definition at line 23 of file Texture.hpp.

7.19 header/TextureManager.hpp File Reference

```
#include <map>
#include <memory>
#include <SDL2/SDL2_gfxPrimitives.h>
#include "../header/Texture.hpp"
```

Classes

• class TextureManager

7.19.1 Detailed Description

The **TextureManager** (p. 68) handles all textures for the application

7.20 header/Timer.hpp File Reference

```
#include <SDL2/SDL.h>
```

Classes

· class Timer

7.20.1 Detailed Description

A class with sdl timer functions

7.21 header/Vector2D.hpp File Reference

```
#include <math.h>
```

Classes

class Vector2D

7.21.1 Detailed Description

Represents a 2 dimensional vector

7.22 header/Viewport.hpp File Reference

Struct for handling a viewport in the **TextureManager** (p. 68).

```
#include <SDL2/SDL.h>
#include <string>
```

Classes

struct Viewport

Struct Viewport (p. 80) Uses some parameters to describe a framework viewport.

7.22.1 Detailed Description

Struct for handling a viewport in the **TextureManager** (p. 68).

Author

DataSoong2330

Bug No bugs known

7.23 html/dynsections.js File Reference

Functions

- function toggleVisibility (linkObj)
- function updateStripes ()
- function toggleLevel (level)
- function toggleFolder (id)
- function toggleInherit (id)

7.23.1 Function Documentation

7.23.1.1 function toggleFolder (id)

Definition at line 49 of file dynsections.js.

7.23.1.2 function toggleInherit (id)

Definition at line 84 of file dynsections.js.

7.23.1.3 function toggleLevel (level)

Definition at line 28 of file dynsections.js.

7.23.1.4 function toggleVisibility (linkObj)

Definition at line 1 of file dynsections.js.

7.23.1.5 function updateStripes ()

Definition at line 22 of file dynsections.js.

7.24 html/jquery.js File Reference

Functions

- b extend ({cssHooks:{opacity:{get:function(bw, bv){if(bv){var e=Z(bw,"opacity","opacity");return e===""?"1" \cup :e}else{return bw.style.opacity}}}, cssNumber:{fillOpacity:true, fontWeight:true, lineHeight:true, opacity \cup :true, orphans:true, widows:true, zlndex:true, zoom:true}, cssProps:{"float":b.support.cssFloat?"css \cup Float":"styleFloat"}, style:function(bx, bw, bD, by){if(!bx||bx.nodeType===3||bx.nodeType===8||!bx.\cup style){return}var bB, bC, bz=b.camelCase(bw), bv=bx.style, bE=b.cssHooks[bz];bw=b.cssProps[bz]||bz;if(b \cup D!==L){bC=typeof} bD;if(bC==="string"&&(bB=l.exec(bD))){bD=(+(bB[1]+1)*+bB[2])+parseFloat(b.\cup css(bx, bw));bC="number"}if(bD==null||bC==="number"&&isNaN(bD)){return}if(bC==="number"&&!b.css \cup Number[bz]){bD+="px"}if(!bE||!("set"in bE)||(bD=bE.set(bx, bD))!==L){try{bv[bw]=bD}catch(bA){}}}else{if(bE &&"get"in bE &&(bB=bE.get(bx, false, by))!==L){return bB}return bv[bw]}}, css:function(by, bx, bv){var bw, e;bx=b.camelCase(bx);e=b.cssHooks[bx];bx=b.cssProps[bx]||bx;if(bx==="cssFloat"){bx="float"}if(e &&"get"in e &&(bw=e.get(by, true, bv))!==L){return bw}else{if(Z){return Z(by, bx)}}}, swap:function(bx, bw, by){var e={};for(var bv in bw){e[bv]=bx.style[bv]=bw[bv]}by.call(bx);for(bv in bw){bx.style[bv]=e[bv]}}})
- **b each** (["height","width"], function(by, e){b.cssHooks[e]={get:function(by, bx, bw){var bz;if(bx){if(by.offset Width!==0){return **p**(by, e, bw)}else{b.swap(by, a7, function(){bz=**p**(by, e, bw)})}return bz}}, set:function(bw, bx){if(bc.test(bx)){bx=parseFloat(bx);if(bx >=0){return bx+"px"}}else{return bx}}})
- if (!b.support.opacity)
- **b** (function(){**if**(!b.support.reliableMarginRight){b.cssHooks.marginRight={get:function(bw, bv){var e;b. ← swap(bw,{display:"inline-block"}, function(){**if**(bv){e=**Z**(bw,"margin-right","marginRight")}else{e=bw.style. ← marginRight}});return e}}})
- if (av.defaultView &&av.defaultView.getComputedStyle)
- if (av.documentElement.currentStyle)
- function **p** (by, bw, bv)
- if (b.expr &&b.expr.filters)

Variables

- function bb
- function L {var av=bb.document,bu=bb.navigator,bl=bb.location
- var **b**
- var au =/opacity=([^)]*)/,z=/([A-Z]|^ms)/g,bc=/^-?\d+(?:px)?\$/i,bn=/^-?\d/,l=/^([\-+])=([\-+.\de]+)/,a7={position← :"absolute",visibility:"hidden",display:"block"},an=["Left","Right"],a1=["Top","Bottom"],Z,al,aX
- **b** fn **css** =function(e,bv){**if**(arguments.length===2&&bv===**L**){return this}return b.access(this,e,bv,true,function(bx,bw,by){return by!==**L**?b.style(bx,bw,by):b.css(bx,bw)})}
- b curCSS =b.css
- **Z** =al||aX
- var k = /%20/g
- var **ap** =/\[\]\$/
- var **bs** = $/\r?\n/g$
- var bq =/#.*\$/
- var **aD** =/ $^(.*?):[\t]*([^\r\n]*)\r?$/mg$
- var **aZ** =/\(\times(2):\color|date|datetime|datetime-local|email|hidden|month|number|password|range|search|tel|text|time|url|week)\(\\$/i\)
- var aM =/^(?:about|app|app\-storage|.+\-extension|file|res|widget):\$/
- var aQ =/^(?:GET|HEAD)\$/
- var c

7.24.1 Function Documentation

7.24.1.1 b (function(){if(!b.support.reliableMarginRight){b.cssHooks.marginRight={get:function(bw, bv){var} e;b.swap(bw,{display:"inline-block"}, function(){if(bv){e=Z(bw,"margin-right","marginRight")}else{e=bw.style.margin← Right}});return e}}}})

- 7.24.1.2 b each (function(bv, e){b.cssHooks[e]={get:function(by, bx, bw){var bz;if(bx){if(by.offsetWidth!==0){return p(by, e, bw)}else{b.swap(by, a7, function(){bz=p(by, e, bw)})}return bz}}, set:function(bw, bx){if(bc.test(bx)){bx=parseFloat(bx);if(bx >=0){return bx+"px"}}else{return bx}}}})
- 7.24.1.3 b extend ({cssHooks:{opacity:{get:function(bw, bv){if(bv){var e=Z(bw,"opacity","opacity");return e===""?"1":e}else{return bw.style.opacity}}}, cssNumber:{fillOpacity:true, fontWeight:true, lineHeight:true, opacity:true, orphans:true, widows:true, zlodex:true, zoom:true}, cssProps:{"float":b.support.cssFloat?"cssFloat"← :"styleFloat"}, style:function(bx, bw, bD, by){if(!bx||bx.nodeType===3||bx.nodeType===8||!bx.style){return}var bB, bC, bz=b.camelCase(bw), bv=bx.style, bE=b.cssHooks[bz];bw=b.cssProps[bz]||bz;if(b← D!==L){bC=typeof bD;if(bC==="string"&&(bB=l.exec(bD))){bD=(+(bB[1]+1)*+bB[2])+parseFloat(b.css(bx, bw));bC="number"}if(bD==null||bC==="number"&&isNaN(bD)){return}if(bC==="number"&&!b.css← Number[bz]){bD+="px"}if(!bE||!("set"in bE)||(bD=bE.set(bx, bD))!==L){try{bv[bw]=bD}catch(bA){}}}else{if(bE &&"get"in bE &&(bB=bE.get(bx, false, by))!==L){return bB}return bv[bw]}}, css:function(by, bx, bv){var bw, e;bx=b.camelCase(bx);e=b.cssHooks[bx];bx=b.cssProps[bx]||bx;if(bx==="cssFloat"){bx="float"}if(e &&"get"in e &&(bw=e.get(by, true, bv))!==L){return bw}else{if(Z){return Z(by, bx)}}}, swap:function(bx, bw, by){var e={};for(var bv in bw){e[bv]=bx.style[bv]=bw[bv]=bw[bv]}by.call(bx);for(bv in bw){bx.style[bv]=e[bv]}}}

7.24.1.4 if (av.documentElement. currentStyle)

Definition at line 23 of file jquery.js.

7.24.1.5 if (av.defaultView &&av.defaultView. getComputedStyle)

Definition at line 23 of file jquery.js.

7.24.1.6 if (b.expr &&b.expr. filters)

Definition at line 23 of file jquery.js.

7.24.1.7 if (!b.support. opacity)

Definition at line 23 of file jquery.js.

7.24.1.8 function p (by, bw, bv)

Definition at line 23 of file jquery.js.

7.24.2 Variable Documentation

7.24.2.1 var aD =/ $^(.*?):[\t]*([^\r\n]*)\r?$/mg$

Definition at line 23 of file jquery.js.

7.24.2.2 var aM =/ $^(?:about|app|app)-storage|.+\\-extension|file|res|widget):$/$

Definition at line 23 of file jquery.js.

7.24.2.3 var ap = $\Lambda[\]$ \$/

Definition at line 23 of file jquery.js.

7.24.2.4 var aQ =/ $^(?:GET|HEAD)$ \$/

Definition at line 23 of file jquery.js.

7.24.2.5 var au =/opacity=([^)]*)/,z=/([A-Z]|^ms)/g,bc=/^-?\d+(?:px)?\$/i,bn=/^-?\d/,I=/^([\-+])=([\-+.\de]+)/,a7={position} : "absolute",visibility:"hidden",display:"block"},an=["Left","Right"],a1=["Top","Bottom"],Z,al,aX

Definition at line 23 of file jquery.js.

7.24.2.6 var aZ =/^(?:color|date|datetime|datetimelocal|email|hidden|month|number|password|range|search|tel|text|time|url|week)\$/i

Definition at line 23 of file jquery.js.

7.24.2.7 var b

Initial value:

```
= (function() {var bF=function(b0,b1) {return new bF.fn.init(b0,b1,bD)},bU=bb.jQuery,bH=
           bb.\$, bD, bY=/^(?:[^{4}<) *(([w\w]+>)[^]*\$| \#([w\-]*)\$)/, bM=/\S/, bI=/^\$+$/, bA=/^<((w+)\s*\/?>(?:<//1>)?\$/, bN=/^[],:{}\s*\, bW=/\(?:["\\bfnrt]|u[0-9a-fA-F]{4})/g, bP=/"[^"\\n\r]*"|true|false|null|-?\d+(?:\.\d*)?(?:[eE][+\-]?\d+)?/g, bJ=/(?:^|:|,)(?:\s*\[)+/g, by=/(webkit)[\/]([\w.]+)/, bR=/(opera)(?:.*version)?[
           \\/]([\w.]+)/,bQ=/(msie) ([\w.]+)/,bS=/(mozilla)(?:.*? rv:([\w.]+))?/,bB=/-([a-z]|[0-9])/ig,bZ=/^-ms-/,bT= function(b0,b1){return(b1+"").toUpperCase()},bX=bu.userAgent,bV,bC,e,bL=Object.prototype.toString,bG=Object.
           \verb|prototype.hasOwnProperty,bz=Array.prototype.push,bK=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.trim,bv=Array.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=String.prototype.slice,bO=Str
           prototype.indexOf,bx={}}bF.fn=bF.prototype={constructor:bF,init:function(b0,b4,b3){var b2,b5,b1,b6;if(!b0){
            return this}if(b0.nodeType){this.context=this[0]=b0;this.length=1;return this}if(b0==="body"&&!b4&&av.body){
           this.context=av;this[0]=av.body;this.selector=b0;this.length=1;return this}if(typeof b0==="string"){if(b0.
           ||!b4))(if(b2[1])(b4=b4 instanceof bF?b4[0]:b4;b6=(b4?b4.ownerDocument||b4:av);b1=bA.exec(b0);if(b1)(if(bF
           isPlainObject(b4)) {b0=[av.createElement(b1[1])];bF.fn.attr.call(b0,b4,true)}else{b0=[b6.createElement(b1[1])]}
           }else{b1=bF.buildFragment([b2[1]],[b6]);b0=(b1.cacheable?bF.clone(b1.fragment):b1.fragment).childNodes}
                turn bf.merge(this,b0)}else(b5=av.getElementById(b2[2]);if(b5&&b5.parentNode){if(b5.id!==b2[2]){return b3.find(
           b0)}this.length=1;this[0]=b5}this.context=av;this.selector=b0;return this}}else{if(!b4||b4.jquery){return(b4)}}else{if(!b4||b4.jquery)}
           | | b3).find(b0)}else{return this.constructor(b4).find(b0)}}else{if(bF.isFunction(b0))}{return b3.ready(b0)}}
            f (b0.selector!==L) {this.selector=b0.selector; this.context=b0.context}return bf.makeArray(b0,this)}, selector:
           "", jquery:"1.7.1",length:0,size:function(){return this.length},toArray:function(){return bK.call(this,0)},
           get:function(b0){return b0==null?this.toArray():(b0<0?this[this.length+b0]:this[b0])},pushStack:function(b1,b3</pre>
           ,b0) {var b2=this.constructor(); if (bF.isArray(b1)) {bz.apply(b2,b1)}else{bF.merge(b2,b1)}b2.prevObject=this;b2.context=this.context;if(b3==="find") {b2.selector=this.selector+(this.selector?" ":"")+b0}else{if(b3)}{b2.selector=this.selector+"."+b3+"("+b0+")"}}return b2}, each:function(b1,b0) {return bF.each(this,b1,b0)}, ready:
           function(b0){bF.bindReady();bC.add(b0);return this},eq:function(b0){b0=+b0;return b0===-1?this.slice(b0):this.
           slice(b0,b0+1)),first:function(){return this.eq(0)},last:function(){return this.eq(-1)},slice:function(){
return this.pushStack(bK.apply(this,arguments),"slice",bK.call(arguments).join(","))},map:function(b0){return
           this.pushStack(bF.map(this,function(b2,b1){return b0.call(b2,b1,b2)}))},end:function(){return this.prevObject|
           |this.constructor(null)),push:bz,sort:[].sort,splice:[].splice);bF.fn.init.prototype=bF.fn;bF.extend=bF.fn.
           "boolean") {b8=b5;b5=arguments[1]||{};b4=2}if(typeof b5!=="object"&&!bF.isFunction(b5)) {b5={}}if(b3===b4) {b5=this;--b4}for(;b4<b3;b4++) {if((b9=arguments[b4])!=null) {for(b2 in b9) {b0=b5[b2];b1=b9[b2];if(b5===b1) {
             continue}if(b8&&b1&&(bF.isPlainObject(b1)||(b6=bF.isArray(b1))))}{if(b6)}{b6=false;b7=b0&&bF.isArray(b0)?b0:[]}else{
           b7=b0&&bF.isPlainObject(b0)?b0:{}}b5[b2]=bF.extend(b8,b7,b1)}else{if(b1!==L){b5[b2]=b1}}}}}return b5};bF.
           extend({noConflict:function(b0){if(bb.$===bF){bb.$=bH}if(b0&&bb.jQuery===bF){bb.jQuery=bU}return bF},isReady:
```

```
false, ready Wait: 1, hold Ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ if (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready Wait++ \} \\ else \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ bF. ready (true) \} \}, ready: function (b0) \\ \{ 
   ===true&&!--bF.readyWait)||(b0!==true&&!bF.isReady)){if(!av.body){return setTimeout(bF.ready,1)}bF.isReady=
 true; if (b0!==true&&--bF.readyWait>0) {return}bC.fireWith(av,[bF]); if (bF.fn.trigger) {bF(av).trigger("ready").
off("ready")}}},bindReady:function(){if(bC){return}bC=bF.Callbacks("once memory");if(av.readyState==="complete"){return setTimeout(bF.ready,1)}if(av.addEventListener){av.addEventListener("DOMContentLoaded",e,false);
bb.addEventListener("load", bF.ready, false) }else{if (av.attachEvent) {av.attachEvent("onreadystatechange", e);
bb.attachEvent("onload",bF.ready);var b0=false;try(b0=bb.frameElement==null)catch(b1){}if(av.
 documentElement.doScroll&&b0) {bw()}}}, isFunction:function(b0) {return bF.type(b0)==="function"}, isArray:Array:isArray||
 function(b0){return bf.type(b0)==="array"},isWindow:function(b0){return b0&&typeof b0==="object"&&"setInterval"
in b0},isNumeric:function(b0){return !isNaN(parseFloat(b0))&&isFinite(b0)},type:function(b0){return b0== null?String(b0):bx[bL.call(b0)]||"object"},isPlainObject:function(b2){if(!b2||bF.type(b2)!=="object"||b2.nodeType||bF.isWindow(b2)){return false}try{if(b2.constructor&&!bG.call(b2,"constructor")&&!bG.call(b2.constructor.prototype,"isPrototypeOf")){return false}}catch(b1){return false}var b0;for(b0 in b2){}return b0===
 L||bG.call(b2,b0)}, isEmptyObject:function(b1){for(var b0 in b1){return false}return true}, error:function(b0)
 ) {throw new Error(b0)}, parseJSON: function(b0) {if(typeof b0!=="string"||!b0) {return null}b0=bF.trim(b0);if(
bb.JSON&&bb.JSON.parse) {return bb.JSON.parse(b0)} if (bN.test(b0.replace(bW, "@").replace(bP,"]").replace(bJ,"
"))) {return(new Function("return "+b0))()} bF.error("Invalid JSON: "+b0)}, parseXML:function(b2) {var b0,b1;try
{if(bb.DOMParser){b1=new DOMParser();b0=b1.parseFromString(b2,"text/xml")}else{b0=new ActiveXObject("
) { if (b0&&bM.test(b0)) { (bb.execScript||function(b1) {bb["eval"].call(bb,b1)}) (b0) }}, camelCase:function(b0) {
      eturn b0.replace(bZ,"ms-").replace(bB,bT)},nodeName:function(b1,b0){return b1.nodeName&&b1.nodeName.
 toUpperCase()===b0.toUpperCase()},each:function(b3,b6,b2){var b1,b4=0,b5=b3.length,b0=b5===
L||bF.isFunction(b3); if (b2) {if (b0) {for (b1 in b3) {if (b6.apply(b3[b1],b2)===false) {break}}}else {for (;b4<b5;) {if (b6.apply(b3[b4++],b2)===false) {break}}}else {if (b0) {for (b1 in b3) {if (b6.call(b3[b1],b1,b3[b1])===false) {}}
 break}}}else{for(;b4<b5;){if(b6.call(b3[b4],b4,b3[b4++])===false){break}}}}return b3},trim:b0?function(b0){
   return b0==null?"":b0.call(b0)}:function(b0){return b0==null?"":b0.toString().replace(bI,"").replace(bE,"")},
makeArray:function(b3,b1){var b0=b1||[];if(b3!=null){var b2=bF.type(b3);if(b3.length==null||b2==="string"||b2
    =="function"||b2==="regexp"||bF.isWindow(b3)){bz.call(b0,b3)}else{bF.merge(b0,b3)}}return b0},inArray:
function (b2,b3,b1) (var b0;if(b3){if(bv){return bv.call(b3,b2,b1)}b0=b3.length;b1=b1?b1<0?Math.max(0,b0+b1):b1:0;
for(;b1<b0;b1++){if(b1 in b3&&b3[b1]===b2){return b1}}}return -1), merge: function (b4,b2) (var b3=b4.length,b1=0
 ; if (typeof b2.length==="number") {for (var b0=b2.length; b1<b0; b1++) {b4[b3++]=b2[b1]}}else(while(b2[b1]!=
 L) {b4[b3++]=b2[b1++]}}b4.length=b3;return b4},grep:function(b1,b6,b0){var b2=[],b5;b0=!!b0;for(var b3=0,b4=
b5,b6,b4=[],b2=0,b1=b0.length,b3=b0 instanceof bF||b1!==L&&typeof b1==="number"&&((b1>0&&b0[0]&&b0[b1-1])|| b1==0||bF.isArray(b0));if(b3){for(;b2<b1;b2++){b5=b7(b0[b2],b2,b8);if(b5!=nul1){b4[b4.length]=b5}}}else{for(b6 in b0)(b5=b7(b0[b6],b6,b8);if(b5!=nul1){b4[b4.length]=b5}}}return b4.concat.apply([],b4)},guid:1,proxy: function(b4,b3){if(typeof b3==="string"){var b2=b4[b3];b3=b4;b4=b2}if(!bF.isFunction(b4)){return}
 L)var b0=bK.call(arguments,2),b1=function(){return b4.apply(b3,b0.concat(bK.call(arguments)))};b1.guid=b4.
 guid=b4.guid||b1.guid||bF.guid++; return b1}, access: function(b0,b8,b6,b2,b5,b7) {var b1=b0.length; if (typeof b8
   ==="object"){for(var b3 in b8){bF.access(b0,b3,b8[b3],b2,b5,b6)}return b0}if(b6!==
 \texttt{L)} \ \{ \texttt{b2} = ! \ \texttt{b7\&\&b2\&\&bF.isFunction(b6); for(var\ b4=0;b4 < b1;b4++) \{b5 \ (b0 \ [b4],b8,b2?b6.call \ (b0 \ [b4],b4,b5 \ (b0 \ [b4],b8)): b4,b5 \ (b0 \ [b4],b8,b2?b6.call \ (b0 \ [b4],b4,b5 \ (b0 \ [b4],b8)): b4,b5 \ (b0 \ [b4],b8) \ (b0 \ [b4],b8)
b6,b7) return b0 return b1?b5(b0[0],b8):L},now:function() return (new Date()).getTime()},uaMatch:function(b1)
 {b1=b1.toLowerCase(); var b0=by.exec(b1)||bR.exec(b1)||bQ.exec(b1)||b1.indexOf("compatible")<0&&bS.exec(b1)||
 []; return{browser:b0[1]||"", version:b0[2]||"0"}}, sub:function(){function b0(b3,b4){return new b0.fn.init(b3,
 b4) \\ \ bF. \\ extend (true, b0, this); \\ b0. \\ superclass=this; \\ b0. \\ fn=b0. \\ prototype=this(); \\ b0. \\ fn. \\ constructor=b0; \\ b0. \\ sub=this. \\ b0. \\ fn=b0. \\ prototype=this(); \\ b0. \\ fn. \\ constructor=b0; \\ b0. \\ sub=this. \\ b0. \\ fn=b0. \\ fn=b0
 sub; b0.fn.init=function b2(b3,b4){if(b4&&b4 instanceof bF&&!(b4 instanceof b0)){b4=b0(b4)}return bF.fn.init.
call(this,b3,b4,b1);b0.fn.init.prototype=b0.fn;var b1=b0(av);return b0},browser:{}});bF.each("Boolean Number String Function Array Date RegExp Object".split(" "),function(b1,b0){bx["[object "+b0+"]"]=b0.toLowerCase()});bV=bF.uaMatch(bX);if(bV.browser){bF.browser[bV.browser]=true;bF.browser.version=bV.version}if(bF.browser.
webkit) {bF.browser.safari=true}if(bk.test("\xAO")){bI=/^{(s\xAO)+/;bE=/(s\xAO)+/;bE=/(s\xAO)+/;bE=f(av);if(av.adtachEvent)})} addEventListener){e=function(){av.removeEventListener("DOMContentLoaded",e,false);bF.ready()}}else{if(av.attachEvent)}}
 e=function(){if(av.readyState==="complete"){av.detachEvent("onreadystatechange",e);bF.ready()}}}function bw
 () {if (bF.isReady) {return}try{av.documentElement.doScroll("left")}catch(b0) {setTimeout(bw,1);return}bF.ready(
++) {bv[e[bw]]=true}return bv}b.Callbacks=function(bw) {bw=bw?(a2[bw]||X(bw)):{};var bB=[],bC=[],bx,by,bv,bz,
 bA,bE=function(bF){var bG,bJ,bI,bH,bK;for(bG=0,bJ=bF.length;bG<bJ;bG++){bI=bF[bG];bH=
 b.type(bI); if(bH==="array") {bE(bI)}else{if(bH==="function") {if(!bw.unique||!bD.has(bI)) {bB.push(bI)}}}},e=
 function (bG,bF) \\ \{bF=bF \mid []; bx=!bw.memory \mid | [bG,bF]; by=true; bA=bv \mid |0; bv=0; bz=bB.length; \\ for (;bB\&\&bA < bz; bA++) \\ \{if (bB\&\&bA < bz;
bB[bA]. apply (bG, bF) = = false \& bw.stopOnFalse) \\ \{bx = true; break\} \\ \{by = false; if (bB) \\ \{if (!bw.once) \\ \{if (bC\& bC.length) \\ \{if (bC.length) \\ \{if (bC.length) \\ \{if (bC.length) \\ \{if (bC.length) \\ \{if (bC.le
bx=bc.shift();bD.fireWith(bx[0],bx[1])}|else(if(bx==true){bD.disable()}|else{bB=[]}}}),bD=(add:function()(if(bB)(var bF=bB.length;bE(arguments);if(by){bz=bB.length}else{if(bx&&bx!==true){bv=bF;e(bx[0],bx[1])}}}return
 this},remove:function(){if(bB){var bF=arguments,bH=0,bI=bF.length;for(;bH<bI;bH++){for(var bG=0;bG<bB.length
 ;bG++) {if (bF[bH]===bB[bG]) {if (by) {if (bG<=bz) {bz--; if (bG<=bA) {bA--}}}bB.splice(bG--,1); if (bw.unique) {break}}}
 }}return this}, has:function(bG){if(bB){var bF=0,bH=bB.length;for(;bF<bH;bF++){if(bG===bB[bF]){return true}}}}
  return false},empty:function(){bB=[];return this},disable:function(){bB=bC=bx=L;return this},disabled:
 function() {return !bB}, lock: function() {bC=L; if(!bx||bx===true) {bD.disable()} return this}, locked: function() {return !bC}, fireWith: function(bG, bF) {if(bC) {if(by) {if(!bw.once) {bC.push([bG,bF])}} else{if(!(bw.once&&bx)) {e(bG,bF)}}
 }}return this}, fire:function() {bD.fireWith(this, arguments); return this}, fired:function() {return !!bx}};
    eturn bD}; var aJ=[].slice; b.extend({Deferred:function(by) {var bx=b.Callbacks("once memory"),bw=
b.Callbacks("once memory"),bv=b.Callbacks("memory"),e="pending",bA={resolve:bx,reject:bw,notify:bv},bC={
 done:bx.add,fail:bw.add,progress:bv.add,state:function(){return e},isResolved:bx.fired,isRejected:bw.fired,then
 :function(bE,bD,bF){bB.done(bE).fail(bD).progress(bF); return this},always:function(){bB.done.apply(bB,
arguments).fail.apply(bB,arguments); return this}, pipe:function(bF,bE,bD) {return b.Deferred(function(bG) { b.each({done:[bF,"resolve"],fail:[bE,"reject"],progress:[bD,"notify"]},function(bI,bL) {var bH=bL[0],bK=bL[1],bJ;if(b.isFunction(bH)) {bB[bI](function() {bJ=bH.apply(this,arguments);if(bJ&&b.isFunction(bJ.promise)) {bJ.
promise().then(bG.resolve,bG.reject,bG.notify)}else(bG[bK+"With"](this===bB?bG:this,[bJ])}})}else(bB[bI](bG[
bK])}}).promise()},promise:function(bE){if(bE==null){bE=bC}else{for(var bD in bC){bE[bD]}}return bE}},bB=bC.promise({}),bz;for(bz in bA){bB[bz]=bA[bz].fire;bB[bz+"With"]=bA[bz].fireWith}bB.done(function(){e="resolved"},bw.disable,bv.lock).fail(function(){e="rejected"},bx.disable,bv.lock);if(by){by.call(bB,bB)}
 return bB}, when: function(bA) {var bx=aJ.call(arguments,0),bv=0,e=bx.length,bB=new Array(e),bw=e,by=e,bC=e<=1&&bA&
 &b.isFunction(bA.promise)?bA:b.Deferred(),bE=bC.promise();function bD(bF){return function(bG){bx[bF]=
 arguments.length>1?aJ.call(arguments,0):bG;if(!(-bw)) {bC.resolveWith(bC,bx)}}}function bz(bF){return function(bG){
bB[bF] = arguments.length > 1?aJ.call(arguments, 0):bG; bC.notifyWith(bE,bB)\} if(e>1) \{for(;bv < e;bv + +) \{if(bx[bv] & (e>1), (e>1),
\texttt{bx[bv].promise\&b.isFunction(bx[bv].promise))} \\ \{\texttt{bx[bv].promise().then(bD(bv),bC.reject,bz(bv))}\} \\ \texttt{else(--bw)} \\ \{\texttt{if(!,bv).promise().then(bD(bv),bC.reject,bz(bv))}\} \\ \texttt{else(--bw)} \\ \{\texttt{if(!,bv).promise().then(bD(bv),bC.reject,bz(bv))}\} \\ \texttt{else(--bw)} \\ \{\texttt{if(!,bv).promise().then(bD(bv),bC.reject,bz(bv))}\} \\ \texttt{else(--bw)} \\ \texttt{else(--bw)
bw) {bC.resolveWith(bC,bx)}}else(if(bC!==bA){bC.resolveWith(bC,e?[bA]:[])}}return bE}));
b.support=(function(){var bJ,bI,bF,bG,bx,bE,bA,bD,bz,bK,bB,by,bw,bv=av.createElement("div"),bH=av.
```

```
documentElement;bv.setAttribute("className","t");bv.innerHTML="
                                                                                                                                                                                                                                                                                                   <link/><a href='/a'</pre>
documentElement;bv.setAttribute("className","t");bv.innerHTML=" <liink/><a href='/a'
style='top:lpx;float:left;opacity:.55;'>a</a><input type='checkbox'/>";bl=bv.getElementsByTagName("*");bF=bv.
getElementsByTagName("a")[0];if(!bl||!bl.length||!bF){return{}}bG=av.createElement("select");bx=bG.appendChild(av.createElement("option"));bE=bv.getElementsByTagName("input")[0];bJ={leadingWhitespace:(bv.firstChild.nodeType===3)}
tbody:!bv.getElementsByTagName("tbody").length,htmlSerialize:!!bv.getElementsByTagName("link").length,style:/
top/.test(bF.getAttribute("style")),hrefNormalized:(bF.getAttribute("href")==="/a"),opacity:/^0.55/.test(bF.style.opacity),cssFloat:!!bF.style.cssFloat,checkOn:(bE.value==="on"),optSelected:bx.selected,getSetAttribute
 :bv.className!=="t",enctype:!!av.createElement("form").enctype,html5Clone:av.createElement("nav").cloneNode(true).outerHTML!=="<:nav></:nav>",submitBubbles:true,changeBubbles:true,focusinBubbles:false,deleteExpando:
  true, noCloneEvent:true, inlineBlockNeedsLayout:false, shrinkWrapBlocks:false, reliableMarginRight:true};bE.
  \verb|checked=true;bJ.noCloneChecked=bE.cloneNode(true).checked;bG.disabled=true;bJ.optDisabled=!bx.disabled; \\ \verb|try|{delete|} \\ | try|{delete|} \\ | true| tr
    bv.test}catch(bC) {bJ.deleteExpando=false}if(!bv.addEventListener&&bv.attachEvent&&bv.fireEvent) {bv.
 attachEvent("onclick",function(){bJ.noCloneEvent=false});bv.cloneNode(true).fireEvent("onclick")}bE=av.createElement("input");bE.value="t";bE.setAttribute("type","radio");bJ.radioValue=bE.value==="t";bE.setAttribute("checked
  ", "checked"); bv.appendChild(bE); bD-av.createDocumentFragment(); bD.appendChild(bv.lastChild); bJ.checkClone=bD
 .cloneNode(true).cloneNode(true).lastChild.checked;bJ.appendChecked=bE.checked;bD.removeChild(bE);bD.appendChild(bV);bv.innerHTML="";if(bb.getComputedStyle)(bA=av.createElement("div");bA.style.width="0";bA.style.marginRight="0";bv.style.width="2px";bv.appendChild(bA);bJ.reliableMarginRight=(parseInt((
  bb.getComputedStyle(bA,null)||{marginRight:0}).marginRight,10)||0)===0}if(bv.attachEvent){for(by in {submit
   :1, change:1, focusin:1}) {bB="on"+by;bw=(bB in bv); if(!bw) {bv.setAttribute(bB, "return; ");bw=(typeof bv[bB]==
   function")}bJ[by+"Bubbles"]=bw}}bD.removeChild(bv);bD=bG=bx=bA=bv=bE=null;b(function(){var bM,bU,bV,bT,bN,bO
"px";bQ.insertBefore(bM,bQ.firstChild);bv=av.createElement("div");bM.appendChild(bv);bv.innerHTML="
  t";bz=bv.getElementsByTagName("td")
twitter but style= partial partia
   firstChild; bV = bU. firstChild; bN = bU. nextSibling. firstChild. firstChild; bO = \{doesNotAddBorder: (bV. offsetTop! == 5), firstChild; bV = bU. firstChild; bV = bV. firstCh
  doesAddBorderForTableAndCells:(bN.offsetTop===5)};bV.style.position="fixed";bV.style.top="20px";b0.
 fixedPosition=(bV.offsetTop===20||bV.offsetTop===15);bV.style.position=bV.style.top="";bU.style.overflow="hidden";bU.style.position="relative";b0.subtractsBorderForOverflowNotVisible=(bV.offsetTop===-5);b0.
 \label{local-control} $$ \doesNotIncludeMarginInBodyOffset=(bQ.offsetTop!==bL);b0.removeChild(bM);bv=bM=null;b.extend(bJ,bO)}); $$ return bJ})(); var \{.*\]|([.*\])$/,aA=/([A-Z])/g;b.extend({cache:{},uuid:0,expando:"jQuery"+(b.fn.jquery+Math.random()).replace}
   (/\D/g,""),noData:{embed:true,object:"clsid:D27CDB6E-AE6D-11cf-96B8-444553540000",applet:true},hasData:
function(e) {e=e.nodeType?b.cache[e[b.expando]]:e[b.expando];return !!e&&!S(e)},data:function(bx,bv,bz,by) {if(!b.acceptData(bx)) {return}var bG,bA,bD,bE=b.expando,bC=typeof bv==="string",bF=bx.nodeType,e=bF?bx.cache:bx,bw=bF?bx[bE]:bx[bE]&&bE=bv==="events";if((!bw||!e[bw]||(!bB&&!by&&!e[bw].data))&&bC&&bz===
 L) \{ return | if (!bw) \{ if (bF) \{ bx [bE] = bw = + b.uuid \} else \{ bw = bE \} \} if (!e[bw]) \{ e[bw] = \{ \}; if (!bF) \{ e[bw] . to JSON = b.noop \} \} if (type of bv = = "object" | | type of bv = = "function") \{ if (by) \{ e[bw] = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw] . data = b.extend (e[bw], bv) \} else \{ e[bw], bv] \} else \{ e[
  b.extend(e[bw].data,bv)}}bG=bA=e[bw];if(!by){if(!bA.data){bA.data={}}bA=bA.data}if(bz!=
  L) {bA[b.camelCase(bv)]=bz}if(bB&&!bA[bv]) {return bG.events}if(bC) {bD=bA[bv];if(bD==null) {bD=bA[
 bA,bz,bC=b.expando,bD=bx.nodeType,e=bD?b.cache:bx,bw=bD?bx[bC]:bC;if(!e[bw]){return}if(bv){bB=by?e[bw]:e[bw].data;if(bB){if(!b.isArray(bv)){if(bv in bB){bv=[bv]}else{bv=b.camelCase(bv);if(bv in bB){bv=[bv]}else{bv=bv.data;if(bB)}else{bv=bv.data;if(bB){if(!b.isArray(bv)){if(bv in bB){bv=[bv]}else{bv=bv.data;if(bB){if(!b.isArray(bv)){if(bv in bB){bv=[bv]}else{bv=bv.data;if(bb){if(bv in bB){bv=[bv]}else{bv=bv.data;if(bv){if(bv in bB){bv=[bv]}else{bv]}else{bv=bv.data;if(bv){if(bv)}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else{bv}else
  split(" ")}}for(bA=0,bz=bv.length;bA<bz;bA++){delete bB[bv[bA]]}if(!(by?S:b.isEmptyObject)(bB)){return}}}if
   (!by) {delete e[bw] .data; if(!S(e[bw])) {return}} if(b.support.deleteExpando||!e.setInterval) {delete e[bw]}else{
  e[bw]=null}if(bD){if(b.support.deleteExpando){delete bx[bC]}else{if(bx.removeAttribute)}(bx.removeAttribute(
 \texttt{bC}) \ \\ \textbf{else} \ \\ \textbf{bx} \ \\ \textbf{bz} \ \\ \textbf{cptData:function(bv,e,bw)} \ \\ \textbf{return b.data(bv,e,bw,true)}, \\ \textbf{acceptData:function(bv)} \ \\ \textbf{(bv.e,bw)} \ \\ \textbf{(bv.e,bw,true)}, \\ \textbf{(bv.e,bw,true)}
nodeName) {var e=b.noData[bv.nodeName.toLowerCase()]; if(e) {return !(e===true||bv.getAttribute("classid")!=e)} } return true}}); b.fn.extend({data:function(by,bA) {var bB,e,bw,bz=null; if(typeof by==="undefined") {if(this.length) {bz=b.data(this[0]); if(this[0].nodeType===1&&!b._data(this[0], "parsedAttrs")) {e=this[0].attributes; for(var bx=0,bv=e.length; bx<bv; bx++) {bw=e[bx].name; if(bw.indexOf("data-")===0) {bw=b.camelCase(bw.substring(5));
twar bx-0,bv-e.length;bx-bv;bx++) {bw-e[bx].lalle;lf(bw.lndexof( data* )----) {bw-b.calletcase(bw.substring(3))}
a5(this[0],bw,bz[bw]) } b._data(this[0], "parsedAttrs", true) }} return bz} else{if(typeof by==="object") {return bthis.each(function() {b.data(this,by)})} } bB=by.split(".");bB[1]=bB[1]?"."+bB[1]:"";if(bA===
L) {bz=this.triggerHandler("getData"+bB[1]+"!", [bB[0]]);if(bz===L&&this.length) {bz}
b.data(this[0],by);bz=a5(this[0],by,bz)} return bz===L&&bB[1]?this.data(bB[0]):bz} else{return this.
b.data(this,by,bA);bC.triggerHandler("changeData"+bB[1]+"!",bD)))},removeData:function(e){return this.
  each(function() {b.removeData(this,e)})}});function a5(bx,bw,by){if(by===L&&bx.nodeType===1){var bv="data-"+
 bw.replace(aA,"-$1").toLowerCase();by=bx.getAttribute(bv);if(typeof by==="string"){try{by=by==="true"?true:
by==="false"?false:by==="null"?null:b.isNumeric(by)?parseFloat(by):aS.test(by)?b.parseJSON(by):by}catch(bz){} b.data(bx,bw,by)}else{by=L}}return by}function S(bv){for(var e in bv){if(e==="data"&& b.isEmptyObject(bv[e])){continue}if(e!=="toJSON"){return false}}return true}function bi(by,bx,bA){var bw=bx}
  +"defer", bv=bx+"queue", e=bx+"mark", bz=b._data(by,bw); if(bz&&(bA==="queue"||!b._data(by,bv))&&(bA==="mark"||!
b._data(by,e)) } {setTimeout(function() {if(!b._data(by,v) &&!b._data(by,e)) {b.removeData(by,bw,true); bz.fire() }},0)}}b.extend({_mark:function(bv,e) {if(bv) {e=(e||"fx")+"mark";b._data(bv,e, (b._data(bv,e)||0)+1)}},
_unmark:function(by,bx,bv){if(by!==true){bv=bx;bx=by;by=false}if(bx){bv=bv!|"fx";var e=bv+"mark",bw=by?0:((b._data (bx,e,bv)|1)-1);if(bw){b._data(bx,e,bw)}else{b.removeData(bx,e,true);bi(bx,bv,"mark")}},queue:function(bv,e,bx){var bw;if(bv){e=(e||"fx")+"queue";bw=b._data(bv,e);if(bx){if(!bw||b.isArray(bx))}bw=b._data(bv,e,b.makeArray(bx))}else{bw.push(bx)}}return bw||[]},dequeue:function(by,bx){bx=bx||"fx";var bv=b.queue(by,bx),bw=bv.shift(),e={};if(bw==="inprogress"){bw=bv.shift()}if(bw){if(bx==="fx"){bv.unshift("
  inprogress") }b._data(by,bx+".run",e);bw.call(by,function() {b.dequeue(by,bx)},e)}if(!bv.length){
 b.removeData(by,bx+"queue "+bx+".run",true);bi(by,bx,"queue")}}));b.fn.extend({queue:function(e,bv){if(
typeof e!=="string"){bv=e;e="fx"}if(bv===L){return b.queue(this[0],e)}return this.
each(function(){var bw=b.queue(this,e,bv);if(e==="fx"&&bw[0]!=="inprogress"){b.dequeue(this,e)}})},dequeue:
  function(e) {return this.each(function() {b.dequeue(this,e)})},delay:function(bv,e) {bv=
  b.fx?b.fx.speeds[bv]||bv:bv;e=e||"fx";return this.queue(e,function(bx,bw){var by=setTimeout(bx,bv);bw.stop=
   function(){clearTimeout(by)}})},clearQueue:function(e){return this.queue(e||"fx",[])},promise:function(bD,bw
  ) {if(typeof bD!=="string") {bw=bD;bD=L}bD=bD||"fx";var e=b.Deferred(),bv=this,by=bv.length,bB=1,bz=bD+"defer"
   , bA = bD + "queue", bC = bD + "mark", bx; function bE() \{ \frac{if(!(--bB))}{e.resolveWith(bv,[bv])} \} \\ while(by--) \{ \frac{if(!(-bB))}{e.resolveWith(bv,[bv])} \} \} \\ while(by--) \{ \frac{if(!(-bB))}{e.resolveWith(b.v,[bv])} \} \} \\ while(by--) \{ \frac{
 b.data(bv[by],bz,L,true)||(b.data(bv[by],bA,L,true)||b.data(bv[by],bC,L,true))&&
b.data(bv[by],bz,b.Callbacks("once memory"),true))){bB++;bx.add(bE)}}bE();return e.promise()}});var aP=/[
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\n^t\r]/g, af=/\s+/, aU=/\r/g, g=/^(?:button|input) $/i, D=/^(?:button|input|object|select|textarea) $/i, l=/^a(?:rea) $/i, l=/^a(?:rea)
 )?$/i,ao=/^(?:autofocus|autoplay|async|checked|controls|defer|disabled|hidden|loop|multiple|open|readonly|
 required|scoped|selected)$/i,F=b.support.getSetAttribute,be,aY,aF;b.fn.extend({attr:function(e,bv){return b.ac
 cess(\texttt{this,e,bv,true,b.attr}) \texttt{,removeAttr:function(e)} \{ \texttt{return this.each(function())} \{ \texttt{b.removeAttr(this,e)} \} ) \texttt{,propose} \} \} \} \} \\ \text{for the proposition of the propositi
:function(e,bv) {return b.access(this,e,bv,true,b.prop)}, removeProp:function(e) {e=
b.propFix[e]||e;return this.each(function() {try{this[e]=L;delete this[e]}catch(bv){}})}, addClass:function(
by) {var bA,bw,bv,bx,bz,bB,e;if(b.isFunction(by)) {return this.each(function(bC)} {b(this).addClass(by.call(this,
bC, this.className))})}if(by&&typeof by==="string"){bA=by.split(af);for(bw=0,bv=this.length;bw<bv;bw++){bx=b}}
 this [bw]; if (bx.nodeType===1) \{ if (!bx.className&\&bA.length===1) \{ bx.className=by \} else \{ bz=""+bx.className+" "; for (bb=0,e=bA.length;bb<e;bb++) \{ if (!\sim bz.indexOf (" "+bA[bB]+" ") ) \{ bz+=bA[bB]+" " \} \} bx.className= by \{ bz=ba(bb) \} by \{ bz=ba(bb) 
b.trim(bz)}}}return this},removeClass:function(bz){var bA,bw,bv,by,bx,bB,e; if(b.isFunction(bz)){return
this.each\,(function\,(bC)\,\{b\,(this).removeClass\,(bz.call\,(this,bC,this.className)\,)\,\})\,\\ \\ \frac{1}{b}f\,(\,(bz\&\&typeof\ bz==="string")\,|\,|bz==|b|)\,\\ \\ \frac{1}{b}f\,(\,bz\&\&typeof\ bz===|b|)\,\\ \frac{1}{b}f\,(\,bz\&\&typeof\ bz==|b|)\,\\ \frac{1}{b}f\,(\,bz\&\&typeof\ bz==|b|)\,\\ \frac{1}{b}f\,(\,bz\&\&typeof\ bz=|b|)\,\\ \frac{1}{b}f\,(\,bz\&
===1) {bA=(bz||"").split(af); for (bw=0, bv=this.length; bw<by; bw++) {by=this[bw]; if (by.nodeType===1&&by.className) } (if (bz) {bx=(" "+by.className+" ").replace(aP," "); for (bB=0,e=bA.length; bB<e; bB++) {bx=bx.replace(" "+bA[bB]+" "," ")} by.className=b.trim(bx)} else{by.className=""}}}}return this}, toggleClass:function(bx,bv) {var bw=
 typeof bx,e=typeof bv==="boolean"; if (b.isFunction(bx)) { return this.each(function(by) {
b(this).toggleClass(bx.call(this,by,this.className,bv),bv)})}return this.each(function(){if(bw==="string"){
var bA,bz=0,by=b(this),bB=bv,bC=bx.split(af);while((bA=bC[bz++])) {bB=e?bB:!by.hasClass(bA);by[bB?"addClass":
"removeClass"](bA)}}else{if(bw==="undefined"||bw==="boolean"){if(this.className)}
b._data(this,"__className__",this.className)}this.className=this.className||bx===false?"":
b._data(this,"_className__")||""}})},hasClass:function(e){var bx=" "+e+" ",bw=0,bv=this.length;for(;bw<by;bw++){if(this[bw].nodeType===1&&(" "+this[bw].className+" ").replace(aP," ").indexOf(bx)>-1){return true}}
 return false}, val:function(bx) {var e, bv, by, bw=this[0]; if(!arguments.length) {if(bw) {e=
b.valHooks[bw.nodeName.toLowerCase()]||b.valHooks[bw.type];if(e&&"get" in e&& (bv=e.get(bw,"value"))!==
L){return bv}bv=bw.value;return typeof bv==="string"?bv.replace(aU,""):bv==null?"":bv}return}by=
b.isFunction(bx);return this.each(function(bA){var bz=b(this),bB;if(this.nodeType!==1){return}if(by){bB=bx.
call(this,bA,bz.val())}else{bB=bx}if(bB==null){bB=""}else{if(typeof bB==="number"){bB+=""}else{if(}
b.isArray(bB)){bB=b.map(bB,function(bC){return bC==null?"":bC+""})}}e=b.valHooks[this.nodeName.toLowerCase()]||b.valHooks[this.type];if(!e||!("set" in e)||e.set(this,bB,"value")===L){this.value=bB}})})});
b.extend({valHooks:{option:{get:function(e){var bv=e.attributes.value;return !bv||bv.specified?e.value:e.
text}},select:{get:function(e){var bA,bv,bz,bx,by=e.selectedIndex,bB=[],bC=e.options,bw=e.type==="select-one";
  if(by<0){return null}bv=bw?by:0;bz=bw?by+1:bC.length;for(;bv<bz;bv++){bx=bC[bv];if(bx.selected&&(
 b.support.optDisabled?!bx.disabled:bx.getAttribute("disabled") ===null)&&(!bx.parentNode.disabled||!
length) {return b(bC[by]).val()}return bB}, set:function(bv,bw) {var e=b.makeArray(bw); b(bv); find("option").each(function(){this.selected=b.inArray(b(this).val(),e)>=0}); if(!e.length){bv.selectedIndex=-1}return e}}, attrFn:{val:true,css:true,html:true,text:true,data:true,width:true,height:true,offset:true}, attr:function(bA,bx,bB,bz){var bw,e,by,bv=bA.nodeType;if(!bA||bv==3||bv===2){return}if(bz&&bx
    in b.attrFn) {return b(bA)[bx](bB)} if(typeof bA.getAttribute==="undefined") {return
In B.attrn) [return b(bA) [bX] (bB)] II (typeol bA.getAttribute—— underlined , [return bb] b.prop(bA,bx,bB)] by=bv!==1||!b.isXMLDoc(bA); if (by) {bx=bx.toLowerCase(); e=b.attrHooks[bx]|| (ao.test(bx)?aY:be)]if (bB!==L){if (bB==null) {b.removeAttr(bA,bx); return}else{if (e&&"set" in e&&by&& (bw=e.set(bA,bB,bx))!==L){return bw}else{bA.setAttribute(bx,""+bB); return bB}}else{if (e&&"get" in e&&by&& (bw=e.get(bA,bx))!==null){return bw}else{bw=bA.getAttribute(bx); return bw===null?L:bw}}, removeAttr:function(bx,bz) {var by,bA,bv,e,ba,by,e,e}
 bw=0; if (bz&&bx.nodeType===1) {bA=bz.toLowerCase().split(af); e=bA.length; for(; bw<e; bw++) {bv=bA[bw]; if (bv) {by=bA[bw]; 
 b.propFix[bv]||bv;b.attr(bx,bv,"");bx.removeAttribute(F?bv:by);if(ao.test(bv)&&by in bx){bx[by]=false}}}}},
 attrHooks:{type:{set:function(e,bv){if(g.test(e.nodeName)&&e.parentNode){b.error("type property can't be
changed")}else{if(!b.support.radioValue&&bv==="radio"&&b.nodeName(e,"input"))}(var bw=e.value;e.setAttribute("type",bv);if(bw){e.value=bw}return bv}}},value:(get:function(bv,e){if(be&&b.nodeName(bv,"button"))}return be.
 get(bv,e)}return e in bv?bv.value:null},set:function(bv,bw,e){if(be&&b.nodeName(bv,"button"))}{return be.set(
bv,bw,e)bv.value=bw}}},propFix:{tabindex:"tabIndex",readonly:"readOnly","for":"htmlFor","class":"className
 ,maxlength: "maxLength",cellspacing: "cellspacing",cellpadding: "cellPadding",rowspan: "rowSpan",colspan:
 colSpan", usemap: "useMap", frameborder: "frameBorder", contenteditable: "contentEditable"}, prop: function (bz, bx, bA) {var
bw,e,by,bv=bz.nodeType;if(!bz||bv===3||bv===2){return}by=bv!==1||!b.isXMLDoc(bz);if(by){bx=
b.propFix[bx]||bx;e=b.propHooks[bx]}if(bA!==L){if(e&&"set" in e&&(bw=e.set(bz,bA,bx))!==
L){return bw}else{return(bz[bx]=bA)}}else{if(e&&"get" in e&&(bw=e.get(bz,bx))!==null){return bw}else{return
   bz[bx]}}},propHooks:{tabIndex:{get:function(bv){var e=bv.getAttributeNode("tabindex");return e&&e.specified
 ?parseInt(e.value,10):D.test(bv.nodeName)||1.test(bv.nodeName)&&bv.href?0:L}}}});
b.attrHooks.tabindex=b.propHooks.tabIndex;aY={get:function(bv,e){var bx,bw=b.prop(bv,e);return bw===true||
 typeof bw!=="boolean"&&(bx=bv.getAttributeNode(e))&&bx.nodeValue!==false?e.toLowerCase():
 bw]=true}bv.setAttribute(e,e.toLowerCase())}return e}};if(!F){aF={name:true,id:true};be=
b.valHooks.button={get:function(bw,bv){var e;e=bw.getAttributeNode(bv);return e&&(aF[bv]?e.nodeValue!=="":e
.specified) ?e.nodeValue:L}, set:function(bw,bx,bv) {var e=bw.getAttributeNode(bv); if(!e) {e=av.createAttribute(bv); bw.setAttributeNode(e)}return(e.nodeValue=bx+"")}}; b.attrHooks.tabindex.set=be.set;
b.each(["width", "height"], function(bv,e) {b.attrHooks[e]=b.extend(b.attrHooks[e], {set:function(bw,bx){if(bx=
=="") {bw.setAttribute(e, "auto"); return bx}}}); b.attrHooks.contenteditable={get:be.get,set:function(bv,bw,e)}{if(bw==="") {bw="false"}be.set(bv,bw,e)}}if(!b.support.hrefNormalized) {b.each(["href", "src", "width", "
height"], function(bv,e) {b.attrHooks[e]=b.extend(b.attrHooks[e], {get:function(bx) {var bw=bx.getAttribute(e,2);return bw===null?L:bw}}))}if(!b.support.style) {b.attrHooks.style={get:function(e) {return e.style.cssText.
 toLowerCase()||L},set:function(e,bv){return(e.style.cssText=""+bv)}}}if(!b.support.optSelected){
b.propHooks.selected=b.extend(b.propHooks.selected,{get:function(bv){var e=bv.parentNode;if(e){e.selectedIn
 dex;if(e.parentNode){e.parentNode.selectedIndex}}return null}})}if(!b.support.enctype){
b.propFix.enctype="encoding"}if(!b.support.checkOn) {b.each(["radio", "checkbox"], function() {
b.valHooks[this]={get:function(e) {return e.getAttribute("value")===null?"on":e.value}}})}
b.each(["radio", "checkbox"], function() {b.valHooks[this]=b.extend(b.valHooks[this], {set:function(e,bv)} {if(b.valHooks[this])})
 isArray(bv)){return(e.checked=b.inArray(b(e).val(),bv)>=0)}})});var bd=/^(?:textarea|input|select)$/i,n=/
   [^{\}] \star ? ??: \\ (.+)) ? $/, J = \\ bhover (^{\}, S + ?/, aO = /^key/, bf = /^(?: mous | contextmenu) | click/, T = /^(?: focus | fo
focusoutblury $/, U=/^(\w*) (2:#\([\w^-]+))?(?:\(([\w^-]+))?$/,Y=function(e) {var bv=U.exec(e);if(bv) {bv[1]=(bv[1]||"").toLowerCase();bv[3]=bv[3]&&new RegExp("(?:^\\\\s)")+bv[3]+"(?:\\\s|\s)")}return bv},j=function(bw,e) {var bv=bw.attributes||{};return((!e[1]||bw.nodeName.toLowerCase()===e[1])&&(!e[2]||(bv.id||{}).value===e[2])&&(!e[3]||e[3].test((bv["class"]||{}).value)))},bt=function(e){return b.event.special.hover?e:e.replace(J,"
mouseenter$1 mouseleave$1")};b.event={add:function(bx,bC,bJ,bA,by){var bD,bB,bK,bI,bH,bF,e,bG,bv,bz,bw,bE;if(bx.
 nodeType===3||bx.nodeType===8||!bC||!bJ||!(bD=b._data(bx))){return}if(bJ.handler){bv=bJ;bJ=bv.handler}if(!bJ.
 guid) {bJ.guid=b.guid++}bK=bD.events; if(!bK) {bD.events=bK={}}bB=bD.handle; if(!bB) {bD.handle=bB=function(bL) {
return typeof b!=="undefined"&&(!bL||b.event.triggered!==bL.type)?b.event.dispatch.apply(bB.elem,arguments):
L};bB.elem=bx}bC=b.trim(bt(bC)).split(" ");for(bI=0;bI<bC.length;bI++){bH=n.exec(bC[bI])||[];bF=bH[1];e=(bH
[2]||"").split(".").sort();bE=b.event.special[bF]||{};bF=(by?bE.delegateType:bE.bindType)||bF;bE=</pre>
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```
b.event.special[bF]||{};bG=b.extend({type:bF,origType:bH[1],data:bA,handler:bJ,guid:bJ.guid,selector:by,
 quick:Y(by),namespace:e.join(".")},bv);bw=bK[bF];if(!bw){bw=bK[bF]=[];bw.delegateCount=0;if(!bE.setup||bE.setup
    .call(bx,bA,e,bB)===false){if(bx.addEventListener){bx.addEventListener(bF,bB,false)}else(if(bx.attachEvent){
bx.attachEvent("on"+bF,bB)}}}if(bE.add){bE.add.call(bx,bG);if(!bG.handler.guid){bG.handler.guid=bJ.guid}}if
 (by) \{bw.splice(bw.delegateCount++,0,bG)\} \{else\{bw.push(bG)\}b.event.global[bF]=true\}bx=null\}, \{global:\{\},remove:function(bJ,bE,bv,bH,bB)\} \{var\ bI=b.hasData(bJ)\&b.\_data(bJ),bF,bx,bz,bL,bC,bA,bG,bw,by,bK,bD,e;if(!bI||!(bw=bI.events))\} \{elsevents\}bE=b.trim(bt(bE||"")).split(" ");for(bF=0;bF<bE.length;bF++)\{bx=n.exec(bE[bF])||[];bz=bL=bx
   [1]; bC=bx[2]; if(!bz) {for(bz in bw) {b.event.remove(bJ,bz+bE[bF],bv,bH,true)}continue}by=
b.event.special[bz]||\{\};bz=(bH?by.delegateType:by.bindType)||bz;bD=bw[bz]||[];bA=bD.length;bC=bC?new RegExp("(^|\\.)"+bC.split(".").sort().join("\\.(?:.*\\.)?")+"(\\.|$)"):null;for(bG=0;bG<bD.length;bG++){e=bD[bG];if((bB||bL==e.origType)&&(!bv||bv.guid==e.guid)&&(!bC||bC.test(e.namespace))&&(!bH||bH==e.selector||bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH=="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH=="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH==="bH=="bH==="bH==="bH==="bH=="bH=="bH==="bH=="bH=="bH=="bH=="bH==="bH=="bH=="bH=="bH=="bH=="bH=="bH=="bH=="b
  **"\&\&e.selector) $$ \{bD.splice(bG--,1); if (e.selector) $$ bD.delegateCount--\} if (by.remove) $$ \{by.remove.call(bJ,e)\} $$ if (bD.length===0&\&bA!==bD.length) $$ if (!by.teardown||by.teardown.call(bJ,bC)===false) $$ $$ $$ $$
 b.removeEvent(bJ,bz,bI.handle)}delete bw[bz]}}if(b.isEmptyObject(bw)){bK=bI.handle;if(bK){bK.elem=null}
 b.removeData(bJ,["events","handle"],true)}},customEvent:{getData:true,setData:true,changeData:true},trigger
 : function(bv,bD,bA,bJ) \\ \{if(bA&&(bA.nodeType===3||bA.nodeType===8)) \\ \{return\} \\ var bG=bv.type||bv,bx=[],e,bw,bC,bH,bz,by,bF,bE,bB,bI;if(T.test(bG+b.event.triggered)) \\ \{return\} \\ if(bG.indexOf("!")>=0) \\ \{bx=bG.split(".");bG=bx.shift();bx.sort()\} \\ if((!bA||b.event.customEvent[bG]) \\ \&\&!
 b.event.global[bG]) { return}bv=typeof bv==="object"?bv[b.expando]?bv:new b.Event(bG,bv):new
 b.Event(bG);bv.type=bG;bv.isTrigger=true;bv.exclusive=bw;bv.namespace=bx.join(".");bv.namespace_re=bv.
 namespace?new RegExp("(^|\\.)"+bx.join("\\.(?:.*\\.)?")+"(\\.|$)"):null;by=bG.indexOf(":")<0?"on"+bG:"";if(!bA){e
 =b.cache; for (bC in e) { if (e[bC].events&&e[bC].events[bG]) {b.event.trigger(bv,bD,e[bC].handle.elem,true) }}
return}bv.result=L;if(!bv.target) {bv.target=bA}bD=bD!=null?b.makeArray(bD):[];bD.unshift(bv);bF=
b.event.special[bG]||{};if(bF.trigger&&bF.trigger.apply(bA,bD)===false){return}bB=[[bA,bF.bindType||bG]];if
b.event.special[b6]|\{\frac{1}{1}}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}\frac{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}{1}\frac{1}
parent \\ Window | |bb,bI]) \} \\ \\ for \\ (bC=0;bC < bB.length \\ \&\&!bv.isPropagationStopped();bC++) \\ \{bH=bB[bC][0];bv.type=bB[bC][1];bE=(bB) \\ \\ bH=bB[bC][0];bv.type=bB[bC][1];bE=(bB) \\ \\ bH=bB[bC][0];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type=bB[bC][1];bv.type
 b.acceptData(bH) \&\&bE.apply(bH,bD) === false) \\ \{bv.preventDefault()\} \\ \{bv.type=bG; if(lbJ\&\&lbv.isDefaultPrevented()\} \\ \{if((lbF.\_default||bF.\_default.apply(bA.ownerDocument,bD) === false) \\ \&\&!(bG==="click"\&\&b.nodeName(bA,"a")) \\ \&\&b.acceptData(bA)) \\ \{if(by\&\&bA[bG]\&\&((bG!=="focus"\&\&bG!=="blur")||bv.target.offsetWidth!=|bullet||bf.\_defaultPrevented()|
=0)&&!b.isWindow(bA)) {bz=bA[by];if(bz) {bA[by]=null}}.event.triggered=bG;bA[bG]();
b.event.triggered=L;if(bz){bA[by]=bz}}}return bv.result},dispatch:function(e){e=
b.event.fix(e||bb.event); var bz=((b.\_data(this,"events")||{})[e.type]||[]), bA=bz.delegateCount, bG=[].slice.
call (arguments, 0), by=!e.exclusive&&!e.namespace,bH=[],bC,bB,bK,bx,bF,bE,bv,bD,bI,bw,bJ;bG[0]=e;e.

delegateTarget=this;if (bA&&!e.target.disabled&&!(e.button&&e.type==="click")) {bx=b(this);bx.context=this.ownerDocument|
|this;for(bK=e.target;bK!=this;bK=bK.parentNode||this) {bE={};bD=[];bx[0]=bK;for(bC=0;bC<bA;bC++) {bI=bz[bC];
bw=bI.selector;if(bE[bw]===L) {bE[bw]=(bI.quick?j(bK,bI.quick):bx.is(bw))}if(bE[bw]) {bD.push(bI)}}if(bD.length)
 ) {bH.push({elem:bK,matches:bD})}}}if(bz.length>bA) {bH.push({elem:this,matches:bz.slice(bA)})}for(bC=0;bC<bH.
  length&&!e.isPropagationStopped();bC++){bv=bH[bC];e.currentTarget=bv.elem;for(bB=0;bB<bv.matches.length&&!e.
  is Immediate Propagation Stopped (); bB++) \\ \{bI=bv.matches[bB]; \\ if (by|| (!e.namespace&\&!bI.namespace)||e.namespace_relation | (!e.namespace)||e.namespace|| (!e.namespace)|| (!e.namespace)||e.namespace|| (!e.namespace)|| (!e.namesp
&&e.namespace_re.test(bI.namespace)) {e.data=bI.data;e.handleObj=bI;bF=((b.event.special[bI.origType]||{}). handle||bI.handler).apply(bv.elem,bG); if(bF!==L) {e.result=bF;if(bF===false) {e.preventDefault();e. stopPropagation()}}}}return e.result}, props: "attrChange attrName relatedNode srcElement altKey bubbles cancelable
 ctrlKey currentTarget eventPhase metaKey relatedTarget shiftKey target timeStamp view which".split(" "),fixHooks:{},keyHooks:{props:"char charCode key keyCode".split(" "),filter:function(bv,e){if(bv.which==null){bv.which=e}}
charCode!=null?e.charCode:e.keyCode}return bv}},mouseHooks:{props:"button buttons clientX clientX clientY fromElement offsetX offsetY pageX pageY screenX screenY toElement".split(" "),filter:function(bx,bw){var by,bz,e,bv=bw.button,bA=bw.fromElement;if(bx.pageX==null&&bw.clientX!=null){by=bx.target.ownerDocument||av;bz=by.documentElement;e=by.body;bx.pageX=bw.clientX+(bz&&bz.scrollLeft||e&&e.scrollLeft||0)-(bz&&bz.clientLeft||e&&e.
 clientLeft||0);bx.pageY=bw.clientY+(bz&&bz.scrollTop||e&&e.scrollTop||0)-(bz&&bz.clientTop||e&&e.clientTop||0)}
  if(!bx.relatedTarget&&bA){bx.relatedTarget=bA===bx.target?bw.toElement:bA}if(!bx.which&&bv!==
L) {bx.which=(bv&1?1:(bv&2?3:(bv&4?2:0)))}return bx}},fix:function(bw){if(bw[b.expando]){return bw}var bv,bz
 b.Event(e); for(bv=by.length;bv;){bz=by[--bv],bw[bz]=e[bz]}if(!bw.target){bw.target=e.srcElement||av}if(bw.target.nodeType===3){bw.target=bw.target.parentNode}if(bw.metaKey===L){bw.metaKey=bw.ctrlKey}return bx.filter
 ?bx.filter(bw,e):bw), special:{ready:{setup:b.bindReady},load:{noBubble:true},focus:{delegateType:"focusin"},
 blur:{delegateType:"focusout"},beforeunload:{setup:function(bw,bv,e){if(b.isWindow(this)){this.
 onbeforeunload=e}},teardown:function(bv,e){if(this.onbeforeunload===e){this.onbeforeunload=null}}}},simulate:function(bv,e)
 by,bx,bv){var bz=b.extend(new b.Event(),bx,{type:bw,isSimulated:true,originalEvent:{}});if(bv){
b. event.trigger (bz, null, by) \\ \} else \\ \{b. event.dispatch.call (by, bz) \\ \} \\ if (bz.isDefaultPrevented()) \\ \{bx.preventDefaultPrevented()) \\ \{bx.prevented()) \\ \{bx.preven
  ()}}};b.event.handle=b.event.dispatch;b.removeEvent=av.removeEventListener?function(bv,e,bw){if (bv.
 removeEventListener) {bv.removeEventListener(e,bw,false)}}:function(bv,e,bw) {if(bv.detachEvent) {bv.detachEvent("on"+e,
 bw)}};b.Event=function(bv,e){if(!(this instanceof b.Event)){return new b.Event(bv,e)}if(bv&&bv.type){this.
 originalEvent=bv; this.type=bv.type; this.isDefaultPrevented=(bv.defaultPrevented||bv.returnValue===false||bv.
 getPreventDefault\&bv.getPreventDefault())?i:bk\}\\ else\\ \{this.type=bv\}\\ if (e) \{b.extend(this,e)\}\\ this.timeStamp=bv\&\&bv.\\ fine (b.extend(this,e))\\ this.timeStamp=bv\&\&bv.\\ fine (b.ext
     timeStamp||b.now();this[b.expando]=true};function bk(){return false}function i(){return true}
b.Event.prototype={preventDefault:function(){this.isDefaultPrevented=i;var bv=this.originalEvent;if(!bv){
  return}if(bv.preventDefault){bv.preventDefault()}else{bv.returnValue=false}},stopPropagation:function(){this.
 isPropagationStopped=i;var bv=this.originalEvent; if(!bv) {return}if(bv.stopPropagation) {bv.stopPropagation()}
\verb|bv.cancelBubble=true||, \verb|stopImmediatePropagation:function()| \{this.isImmediatePropagationStopped=i; this.isImmediatePropagationStopped=i; th
 stopPropagation()},isDefaultPrevented:bk,isPropagationStopped:bk,isImmediatePropagationStopped:bk};
\verb|b.each(\{mouseenter: "mouseover", mouseleave: "mouseout"\}, function(bv,e) \\ \{b.event.special[bv] = \{delegateType: e, b.event.special[bv] = \{delegateType: e, b.even
\verb|bindType:e, handle:function(bz)| \{ \verb|var| bB=this, bA=bz.relatedTarget, by=bz.handleObj, bw=by.selector, bx; \\ \frac{if}{if}(|bA|||bA||=|bA|||bA||) \\ + |bA|| 
 =BB&&!b.contains(bB,bA))){bz.type=by.origType;bx=by.handler.apply(this,arguments);bz.type=e}return bx}});if(!b.support.submitBubbles){b.event.special.submit={setup:function(){if(b.nodeName(this,"form")){return} false}
  }b.event.add(this, "click._submit keypress._submit", function(bx) {var bw=bx.target,bv=
 b.nodeName(bw,"input")||b.nodeName(bw,"button")?bw.form:L;if(bv&&!bv._submit_attached){
b.event.add(bv, "submit.\_submit", function(e) \\ \{ if (this.parentNode \& \& !e.isTrigger) \\ \{ b.event.simulate("submit", thing the lattice of the lattice of
s.parentNode,e,true)});bv._submit_attached=true}})},teardown:function(){if(b.nodeName(this,"form")){return}
false}b.event.remove(this,"._submit_attached=true}})},teardown:function(){if(b.nodeName(this,"form")){return}
false}b.event.remove(this,"._submit")}}if(!b.support.changeBubbles){b.event.special.change={setup:function()}
if(bd.test(this.nodeName)){if(this.type==="checkbox"||this.type==="radio"){b.event.add(this,"
propertychange._change",function(e){if(e.originalEvent.propertyName==="checked"){this._just_changed=true}});
 b.event_add(this,"click._change",function(e){<mark>if</mark>(this._just_changed&&!e.isTrigger){this._just_changed=false;
b.event.simulate("change",this,e,true)}}))return false}b.event.add(this,"beforeactivate._change",function(bw){var bv=bw.target;if(bd.test(bv.nodeName)&&!bv._change_attached){b.event.add(bv,"change._change",function(e
 ){if(this.parentNode&&!e.isSimulated&&!e.isTrigger){b.event.simulate("change",this.parentNode,e,true)}});bv.
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_change_attached=true}})}, handle:function(bv){var e=bv.target; if(this!==e||bv.isSimulated||bv.isTrigger||(e.
                   type!=="radio"&&e.type!=="checkbox")){return bv.handleObj.handler.apply(this,arguments))},teardown:function()}b.event.remove(this,"._change");return bd.test(this.nodeName)}}}if(!b.support.focusinBubbles){
                   b.each({focus:"focusin",blur:"focusout"},function(bx,e){var bv=0,bw=function(by){
                   b.event.simulate(e,by.target,b.event.fix(by),true)};b.event.special[e]={setup:function(){if(bv++===0){av.addEventListener(bx,bw,true)}},teardown:function(){if(-bv===0){av.removeEventListener(bx,bw,true)}}}}} b.fn.extend({on:function(bw,e,bz,by,bv){var bA,bx;if(typeof bw==="object"){if(typeof e!=="string"){bz=e;e=L
                    } for (bx in bw) {this.on(bx,e,bz,bw[bx],bv)} return this} if(bz==null&&by==null) {by=e;bz=e=L}else {if(by==null) {i
                     f(typeof e==="string") \\ \{by=bz;bz=L\}else\{by=bz;bz=e;e=L\}\} \\ if(by===false) \\ \{by=bk\}else\{if(!by)\{return\ this\}\} \\ if(by=thing) \\ \{by=bk\}else\{if(!by)\{return\ this\}\} \\ \{by=bk\}else\{if(!by)\{return\ this
                     ===1){bA=by;by=function(bB){b().off(bB);return bA.apply(this,arguments)};by.guid=bA.guid||(bA.guid=b.guid++)
                    \label{lem:concord} \mbox{ \concord} \
                   is,bv,e,bx,bw,1)},off:function(bw,e,by){if(bw&&bw.preventDefault&&bw.handleObj)}(var bv=bw.handleObj;b(bw.delegateTarget).off(bv.namespace?bv.type+"."+bv.namespace:bv.type,bv.selector,bv.handler);return this}if(typeof
                      bw==="object") {for(var bx in bw) {this.off(bx,e,bw[bx])}return this}if(e==false||typeof e==="function") {by=
                    e;e=L}if(by===false){by=bk}return this.each(function(){b.event.remove(this,bw,by,e)})},bind:function(e,bw,bv
                    ) {return this.on(e,null,bw,bv)},unbind:function(e,bv) {return this.off(e,null,bv)},live:function(e,bw,bv) {
                   b(this.context).on(e,this.selector,bw,bv); return this}, die:function(e,bv) {b(this.context).off(e,this.
                   selector||"**",bv); return this}, delegate: function(e,bv,bx,bw) {return this.on(bv,e,bx,bw)}, undelegate: function(e,bv,bw) {return arguments.length==1?this.off(e,"**"):this.off(bv,e,bw)}, trigger: function(e,bv) {return this.
                    each(function() {b.event.trigger(e,bv,this)})},triggerHandler:function(e,bv){if(this[0]){return
                   b.event.trigger(e,bv,this[0],true))},toggle:function(bx){var bv=arguments,e=bx.guid|| b.guid++,bw=0,by=function(bz){var bA=(b._data(this,"lastToggle"+bx.guid)||0)%bw; b._data(this,"lastToggle"+bx.guid,bA+1);bz.preventDefault();return bv[bA].apply(this,arguments)||false};by.
                   B._data(this, lastinggle +bk.gdrd,bk+1),bc.preventbelaut(/,fetulm bv[bk].appty(this,alguments)||filse/,by.gdrd,bk+1|.guid=e||return this.click(by)||, hover:function(e,bv)|| freturn this. mouseenter(e).mouseleave(bv||e)||; b.each(("blur focus focusin focusout load resize scroll unload click dblclick mousedown mouseup mousemove mouseover mouseout mouseenter mouseleave change select submit keydown keypress keyup error contextmenu").split(" "), function(bv,e)|| (b.fn[e]=function(bx,bw)|| (if(bw==null)|| (bw=bx;bx=null)|| return
                    b.event.fixHooks[e]=b.event.keyHooks}if(bf.test(e)) {b.event.fixHooks[e]=b.event.mouseHooks}));
0}); var by=function(bV,e,bY,bZ){bY=bY||[];e=e||av;var
                   bl=e;if(e.nodeType!==1&&e.nodeType!==9)(return[]}if(!bV||typeof bV!=="string"){return bY}var bS,b3,b6,bR,b2,b5,b4,bX,bU=true,bT=by.isXML(e),bW=[],b0=bV;do{bH.exec(""); bS=bH.exec(b0);if(bS){b0=bS[3];bW.push(bS[1]);if(bS[2]){bR=bS[3];break}}}while(bS);if(bW.length>1&&bD.exec(b)
                     \label{eq:continuous} \begin{tabular}{ll} $W(0) = W(0) = W(0) & $W(0) + W(0) + W(0) + W(0) & $W(0) + W(0) = W(0) \\ $W(0) = W(0) & $W(0) = W(0) \\ $W(0) = 
                    (), e); \\ \text{while (bW.length) } \\ \{bV = bW. \\ \text{shift ()}; \\ \text{if (bE.relative[bV])} \\ \{bV + = bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \{bV + bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \{bV + bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \{bV + bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \{bV + bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \{bV + bW. \\ \text{shift ()} \\ \}b3 = bM \\ \{bV, b3, b2\} \\ \} \\ \text{else (if (lbZ\&\&bW.length) } \\ \text{else (i
                    ngth>1&&e.nodeType===9&&!bT&&bE.match.ID.test(bW[0])&&!bE.match.ID.test(bW[bW.length-1])) {b2=by.find(bW.shif
                   t(), e, bT); e=b2.expr?by.filter(b2.expr, b2.set)[0]:b2.set[0]] if (e) \{b2=b2?(expr:bW.pop(), set:bF(bZ)\}:by.find(bW.pop(), bW.length===1&&(bW[0]==="+")&&e.parentNode?e.parentNode:e, bT); b3=b2.expr?by.filter(b2.expr,b2.set):b2.set; if (bW.length>0) \{b6=bF(b3)\}:else\{bU=false\}\\ while(bW.length)\{b5=bW.pop(); b4=b5; if(!bE.relative)\} if (bW.length)(bB.relative) if (bW.length)(bW.length)(bB.relative) if (bW.length)(bB.relative) if (bW.length)(bB.relative) if (bW.length)(bB.relative) if (bW.length)(bB.relative) if (bW.length)(bW.length)(bB.relative) if (bW.length)(bW.length)(bW.length)(bB.relative) if (bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(bW.length)(
                    [b5])(b5=""}else(b4=bW.pop())if(b4==null)(b4=e)bE.relative[b5](b6,b4,bT)))else(b6=bW=[]}}if(!b6)(b6=b3)if(!b6)(by.error
                      Array]") {if(!bU) {bY.push.apply(bY,b6)}else{if(e&&e.nodeType=
                    1) {for(bX=0;b6[bX]!=null;bX++) {if(b6[bX]&&(b6[bX]===true||b6[bX].nodeType===1&&by.contains(e,b6[bX]))) {bY.pu
                    sh(b3[bX])}}else{for(bX=0;b6[bX]!=null;bX++){if(b6[bX]&&b6[bX].nodeType===1){bY.push(b3[bX])}}}}else{bF(b6,bY)}if(bR)
                      bY};by.uniqueSort=function(bR)(if(bJ){bB=bA;bR.sort(bJ);if(bB){for(var e=1;e<bR.length;e++){if(bR[e]===bR[e-1]){bR.splbR};by.matches=function(e,bR){return by(e,null,null,bR)};by.matchesSelector=function(e,bR){return by(bR,null,null,[e]).length>0};by.find=function(bX,e,bY){var
                      bW,bS,bU,bT,bV,bR;if(!bX){return[]}for(bS=0,bU=bE.order.length;bS<bU;bS++){bV=bE.order[bS];if((bT=bE.leftMatch[bV].exe
                    =(bT[1]||"").replace(bK,"");bW=bE.find[bV](bT,e,bY);if(bW!=null){bX=bX.replace(bE.match[bV],"");break}}}}if(!bW){bW=typ}
                      e.getElementsByTagName!=="undefined"?e.getElementsByTagName("*"):[]]return{set:bW,expr:bX}};by.filter=function(b1,b0,bbW,e,bZ,b6,b3,bR,bT,bV,b2,bS=b1,b5=[],bY=b0,bX=b0&&b0[0]&&by.isXML(b0[0]);while(b1&&b0.length){for(bZ in
                      bE.filter) {if((bW=bE.leftMatch[bZ].exec(b1))!=null&&bW[2]) {bR=bE.filter[bZ];bT=bW[1];e=false;bW.splice(1,1);if(bT.subs)
                    ") {continue}if(bY===b5) {b5=[]}if(bE.preFilter
                    [bZ]) {bW=bE.preFilter[bZ] (bW,bY,b4,b5,bU,bX); if(!bW) {e=b6=true}else{if(bW===true) {continue}}}if(bW) {for(bV=0)}
                   , bV=bT&&!bQ.test(bR),bX=bT&&!bV;if(bV){bR=bR.toLowerCase()}for(var
                      bS=0,e=bW.length,bU;bS<e;bS++){if((bU=bW[bS])){while(
                    (bU=bU previousSibling) &&bU nodeType!==1) {}bW[bS]=bX||bU&&bU nodeName.toLowerCase() ===bR?bU||false:bU===bR}}if(bX) {by.f
                    ,bS=0,e=bW.length;if(bU&&!bQ.test(bR)){bR=bR.toLowerCase();for(;bS<e;bS++){bV=bW[bS];if(bV){var
                      bT=bV.parentNode; bW[bS]=bT.nodeName.toL
                   owerCase() ===bR?bT:false)}}else{for(;bS<e;bS++) {bV=bW[bS];if(bV) {bW[bS]=bU?bV.parentNode:bV.parentNode===bR}}if(bU) {by.
&&!bQ.test(bR)) {bR=bR.toLowerCase();bU=bR;e=bV}e("parentNode",bR,bS,bT,bU,bV)},"~":function(bT,bR,bV) {var
bU,bS=bI++,e=bN;if(typeof bR==="string"&&!bQ.test(bR)) {bR=bR.toLowerCase();bU=bR;e=bV}e("previousSibling"
,bR,bS,bT,bU,bV)}},find:{ID:function(bR,bS,bT)}{if(typeof bS.getElementById!=="undefined"&&!bT)}{var</pre>
                       e=bS.getElementById(bR[1]);return e&&e.parentNode?[e]:[]}},NAME:function(bS,bV){if(typeof bV.getElementsByName!=="unde
                      bR=[],bU=bV.getElementsByName(bS[1]);for(var bT=0,e=bU.length;bT<e;bT++){if(bU[bT].getAttribute("name"
                    )===bS[1]){bR.push(bU[bT])}}return bR.length===0?null:bR}}, TAG:function(e,bR){if(typeof bR.getElementsByTagName!=="
                   undefined") {return bR.getElementsByTagName(e[1])}}}, preFilter:(CLASS:function(bT,bR,bS,e,bW,bX){bT=" "+bT[1].replace(bK,"")+" ";if(bX){return bT}for(var bU=0,bV;(bV=bR[bU])!=null;bU++){if(bV){if(bW^(bV.className&&(" "+bV.className+" ").replace(/[\t\n\r]/g," "
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). indexOf(bT)>=0)) \\ \{if(!bS)\{e.push(bV)\}\} \\ else\{if(bS)\{bR[bU]=false\}\}\} \\ \} return false\}, ID: function(e)\{return e[1].replace(bK, bE)\} \\ \{if(bS)\{bR[bU]=false\}\} \\ \{if(bS)\{bR[bU]=false\} \\ \{if(bS)\{bR[bU]=false\}\} \\ \{if(b
).indexOf(bT)=0) {if(!bS){e.push(bV)}}elise{if(bS){bR[bU]=false}}}}return false, ID:function(e){return e[1].replace(bK, ).toLowerCase()}, CHILD:function(e){if(e[1]=="nth"){if(!e[2]){by.error(e[0])}e[2]=e[2].replace(/^\+|\s*/g,"");var bR=/(-?)(\d*)(?:n([+\-]?\d*))?/.exec(e[2]==="even"&&"2n"||e[2]==="odd"&&"2n+1"||!/\D/.test(e[2])&&"0n+"+e[2]||e[2]);e[2]=(bR[1]+(bR[2]||1))-0;e[3]=bR[3]=0}else{if(e[2]){by.error(e[0])}}e[0]=bI+;return e}, ATTR:function(bU,bR,bS,e,bV,bW) {var bT=bU[1]=bU[1].replace(bK,"");if(bU[2]==="~="){bU[4]=" "+bU[4]bU}, PSEUDO:function(bU,bR,bS,e,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV,bV){if(bU[1]==="not"){if(bH.exec(bU[3])||"").length>1|/^\wedge bU,bW,bS,e,bV,bV,bW,bS,e,bV,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bS,e,bV,bW,bB,e,bW,bS,e,bV,bW,bB,e,bW,bS,e,bV,bW,bW,bS,e,bW,
    test(bU[3])){bU[3]=by(bU[3],null,null,bR)}else{var bT=by.filter(bU[3],bR,bS,true^bV);if(!bS){e.push.apply(e,bT)}retur./
       \label{lem:bulk} \verb|false|| else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.CHILD.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.POS.test(bU[0]) \} \\ | else \{ \verb|if(bE.match.POS.test(bU[0]) | | bE.match.P
       e}},filters:{enabled:function(e){return e.disabled===false&&e.type!=="hidden"},disabled:function(e){return
       e.disabled===true},checked:function(e){return
   "text"===bR&&(e===bR||e===null)},radio:function(e){return e.nodeName.toLowerCase()==="input"&&"radio"
==e.type}, checkbox:function(e) {return e.nodeName.toLowerCase() ==="input"&&"checkbox" ==e.type}, file:function(e) {return e.nodeName.toLowerCase() ==="input"&&"file"===e.type}, password:function(e) {return e.nodeName.toLowerCase() ==="input"&&"password:function(e) {return e.nodeName.toLowerCase() ==="input"&&"password"===e.type}, submit:function(bR) {var e=bR.nodeName.toLowerCase(); return(e=t) ===bR.type}, image:function(e) {return e.nodeName.toLowerCase() ==="input"&&"image"
  ===e.type},reset:function(bR){var e=bR.nodeName.toLowerCase();return (e==="input"||e==="button")*&&"button"===bR.type},button:function(bR){var e=bR.nodeName.toLowerCase();return e==="input"&&"button"===bR.type||e==="button"
  }, input:function(e){return(/input|select|textarea|button/i).test(e.nodeName)}, focus:function(e){return
                           ≔e.ownerDocument.activeElement}},setFilters:{first:function(bR,e){return e===0},last:function(bS,bR,e,bT){return
      ). indexOf(bX[3]) >= 0 \\ else \\ \{if(e=="not") \\ \{var\ bT=bX[3]; for(var\ bV=0,bU=bT.length; bV<bU; bV++) \\ \{if(bT[bV]===bS) \\ \{returnburnet, bV=0, bU=bT.length; bV=0, bU=bT.length; bV=0, bV=
 false}}return true}else{by.error(e)}}}}, CHILD:function(bS,bU) {var
bT,b0,bW,bZ,e,bV,bY,bX=bU[1],bR=bS;switch(bX) {case"only":case"first":while((bR=bR.previousSibling)) {if(bR.nodeType===1)}
{return true}bR=bS;case"last":while((bR=bR.nextSibling)) {if(bR.nodeType===1)} {return false}}return true;case"nth"
  :bT=bU[2];b0=bU[3];if(bT===1&&b0===0){return
         true}bW=bU[0];bZ=bS.parentNode;if(bZ&&(bZ[bC]!==bW||!bS.nodeIndex)
  ) \ \{bV=0; for (bR=bZ.firstChild; bR; bR=bR.nextSibling) \ \{if (bR.nodeType===1) \ \{bR.nodeIndex=++bV\} \} bZ \ [bC]=bW\} bY=bS.nodeIndex=b0; idex=bC, idex=b
  ).indexOf(e)>-1},ATTR:function(bV,bT){var
      bS=bT[1], e=by.attr?by.attr(bV,bS): bE.attrHandle[bS]?bE.attrHandle[bS](bV): bV[bS]!=null?bV[bS]: bV.getAttribute(bS), bW=expectation by the standard of the
  :!bU&&by.attre!=null:bU===""?bW===bR:bU==="*="?bW!=indexOf(bR)>=0:bU==="~="?(" "+bW+" "
).indexOf(bR)>=0:!bR?bW&&e!==false:bU==="!="?bW!==bR:bU==="^="?bW.indexOf(bR)==0:bU==="$="?bW.substr(bW.length-bR.leng?bW===bR||bW.substr(0,bR.length+1)===bR+"-":false},POS:function(bU,bR,bS,bV){var
     bE.match|[bw.substr(0,bk.lengthr)]--Dk+ - :laise,,FoS:lunterlon(bp,bk,bS,bV) {var b=bk[2],bT=bE.setFilters[e];if(bT) {return bT(bU,bS,bR,bV)}}};var bD=bE.match.FOS,bx=function(bR,e) {return"\\"+(e-0+1) bE.match|[bz]=new RegExp(bE.match[bz]].source+(/(?![^\[]*\]) (?![^\(]*\))/.source));bE.leftMatch[bz]=new RegExp(/(^(?:.|\r|\n)*?)/.source+bE.match[bz].source.replace(/\\(\(\d+)/g,bx)))var bF=function(bR,e) {bR=Array.prototype.slice.call(bR,0);if(e) {e.push.apply(e,bR);return e}return
      bR};try{Array.prototype.slice.call(av.documentElement.childNodes,0)[0].nodeType}catch(bP){bF=function(bU,bT){var bS=0,1}}
  Array]"){Array.prototype.push.apply(bR,bU)}else{if(typeof bU.length==="number"){for(var
       e=bU.length; bS<e; bS++) \{bR.push (bU[bS])\} \\ e=bU.length; bS<e; bS++) \{bR.push (bU[bS])\} \} \\ return bR\} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{if (bR===e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bJ=function (bR,e) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentPosition) \{bB=true; return bR\} \} \\ varbJ, bG; if (av.documentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compareDocumentElement.compar
       0\} if (!bR.compare Document Position||!e.compare Document Position) \\ \{return\ bR.compare Document Position?-1:1\} \\ return\ bR.compare Document Position?-1:1\} \\ return\ bR.compare Document Position \\ (!bR.compare Document Position) \\ \{return\ bR.compare Document Position\} \\ \{retur
      bR.compareDocumentPosition(e)&4?-1:1}}else{bJ=function(bY,bX){if(bY===bX){bB=true;return 0}else{if(bY.sourceIndex&&bX.
       bY.sourceIndex-bX.sourceIndex}}var bV,bR,bS=[],e=[],bU=bY.parentNode,bW=bX.parentNode,bZ=bU;if(bU===bW){return
      bG(bY,bX) \} else \{ if(!bU) \{ return \ -1 \} else \{ if(!bW) \{ return \ -1 \} else \} \} 
      1\}\} \\ while (bZ) \\ \{bS.unshift (bZ); bZ=bZ.parentNode\} \\ bZ=bW; \\ while (bZ) \\ \{e.unshift (bZ); bZ=bZ.parentNode\} \\ bV=bS.length; \\ bR=e.length; \\ bT=0; \\ bT<bV&\&bT<bR; \\ bT++) \\ \{if (bS[bT]!==e[bT]) \\ \{return bG (bS[bT],e[bT])\} \\ \} \\ return bT===bV?bG (bY,e[bT],-1): \\ bG (bS[bT],bX,1)\}; \\ bG (bS[bT],bX,1); \\ bG (bS[bT],bX,1); \\ bG (bS[bT],bX,1); \\ bG (bS[bT]
      bS}var bT=bR.nextSibling; while (bT) (if (bT===e) return -1)bT=bT.nextSibling} return 1} (function() {var bR=av.createElement("div"),bS="script"+(new Date()).getTime(),e=av.documentElement;bR.innerHTML="<a name='"+bS+"'/>"
  ;e.insertBefore(bR,e.firstChild);if(av.getElementById(bS)){bE.find.ID=function(bU,bV,bW){if(typeof
      bV.getElementById!=="undefined"&&!bW){var bT=bV.getElementById(bU[1]);return bT?bT.id===bU[1]||typeof
      bT.getAttributeNode!=="undefined"&&bT.getAttributeNode("id").nodeValue===bU[1]?[bT]:L:[]}};bE.filter.ID=function(bV,bTbU=typeof bV.getAttributeNode!=="undefined"&&bV.getAttributeNode("id");return
      bV.nodeType==1&&bU&&bU.nodeValue===bT}}e.removeChild(bR);e=bR=null})();(function(){var e=av.createElement("div"
  );e.appendChild(av.createComment(""));if(e.getElementsByTagName("*").length>0) {bE.find.TAG=function(bR,bV) {var
       bU=bV.getElementsByTagName(bR[1]);if(bR[1]==="*"){var bT=[];for(var
bS=0;bU[bS];bS++) {if (bU[bS].nodeType===1) {bT.push(bU[bS])}}bU=bT}return bU}}e.innerHTML="<a href='#'></a>";if (e.firstClefirstClefirstChild.getAttribute("href")!=="#") {bE.attrHandle.href=function(bR) {return bR.getAttribute("href", 2)}}e=null}) ();if (av.querySelectorAll) { (function() {var e=by,bT=av.createElement("div"),bS="__sizzle__";bT.innerHTML="";if (bT.querySelectorAll&&bT.querySelectorAll(".TEST"
  ).length===0){return}by=function(b4,bV,bZ,b3){bV=bV||av;if(!b3&&!by.isXML(bV)){var b2=/^(\w+$)|^\.([\w\-]+$)|^#([\w\-
   ]+$)/.exec(b4);if(b2&&(bV.nodeType===1||bV.nodeType===9)){if(b2[1]){return
      bF(bV.getElementsByTagName(b4),bZ) \\ \\ else \\ \\ if(b2[2]\&\&bE.find.CLASS\&\&bV.getElementsByClassName) \\ \\ \\ freturnder \\ \\ fre
      bF(bV.getElementsByClassName(b2[2]),bZ)\}\} if(bV.nodeType===9) \\ \{if(b4==="body"\&\&bV.body) \\ \{return\ bF([bV.body],bZ)\} else\\ \{if(bV.body),bZ)\} else
  bf(bV.getElementsByClassName(bZ[2]),bZ)}}}lf(bV.nodelype===9){lf(b4==="body"&&bV.body){return bf([bV.body],bZ)}else{lf bY=bV.getElementById(bZ[3]);if(bY&&bY.parentNode){if(bY.id===bZ[3]){return bF([bY],bZ)}}ltry{rebf(bV.querySelectorAll(b4),bZ)}catch(b0){}}lese{if(bV.nodeType===1&&bV.nodeName.toLowerCase()!=="object"){varbw=bV,bX=bV.getAttribute("id"),bU=bX||bS,b6=bV.parentNode,b5=/^\s*[+~]/.test(b4);if(!bX){bV.setAttribute("id",bU)}else{bU=bU.replace(/'/g,"\\$&")}if(b5&&b6){bV=bV.parentNode}try{if(!b5||b6){return bF(bV.querySelectorAll("[id='"+bV])}else{bU=bU.replace(/'/g,"\\$&")}if(b5&&b6){bV=bV.parentNode}try{if(!b5||b6){return bF(bV.querySelectorAll("[id='"+bV])}else{bV=bV.parentNode}try{if(!b5||b6){return bF(bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySelectorAll("[id='"+bV])}else{bV=bV.querySel
   "+b4),b2)}}catch(b1){}finally{if(!bX){bW.removeAttribute("id")}}}}return e(b4,bV,bZ,b3));for(var bR in
       e) {by[bR]=e[bR]}bT=null})()}(function(){var
  e=av. document Element, bS=e. matches Selector | | e. mozMatches Selector | | e. webkit Matches Selector | | e. ms Matches Selector; if (bS) {v. b, bR=false; try{bS.call(av.document Element, "[test!='']: sizzle"}) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\]]*)\s*\]/g, "='$1']"); if (!by.isXML(bW)) } catch(bT) {bR=true} by. matches Selector=function(bW, bY) {bY=bY.replace(/\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\s*([^'"\=\
    (bY)) {var bV=bS.call(bW,bY); if(bV||!bU||bW.document&&bW.document.nodeType!==11) {return bV}}}catch(bX) {}}
return by (bY, null, null, [bW]) .length>0}}) (); (function (b) {var e=av.createElement("div"); e.innerHTML="<div class='test e'></div>'; etst'></div>'; efsetElementsByClassName||e.getElementsByClassName("e").length===0) {return}e.lastChild.className="e"; if (e.getElementsByClassName("e").length===1) {return}bE.order.splice(1,0, "CLASS"); bE.find.CLASS=function(bR,bS,bT) {if (typeof bS.getElementsByClassName!=="undefined"&&!bT) {return bS.getElementsByClassName(bR[1])}}; e=null}) (); function bv(bR,bW,bV,bZ,bX,bY) {for (var bT=0,bS=bZ.length;bT<br/>bS;bT
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++) {var e=bZ[bT]; if (e) {var bU=false; e=e[bR]; while (e) {if (e[bC]===bV) {bU=bZ[e.sizset]; break} if (e.nodeType===1
&&!bY} {e[bC]=bV;e.sizset=bT}if(e.nodeName.to.LowerCase()===bW) {bU=e;break}e=e[bR]}bZ[bT]=bU}}} function bN(bR,bW,bV,bZ,bX,bY) {for(var bT=0,bS=bZ.length;bT<bs;bT++) {var e=bZ[bT];if(e) {var bU=false;e=e[bR];while(e) {if(e[
bC] = = bV) \\ \{bU = bZ[e.sizset]; \\ break\} \\ if (e.nodeType = = 1) \\ \{if(!bY)\{e[bC] = bV; e.sizset = bT\} \\ if(typeof bW! = "string")\{if(e.nodeType = 1), f(typeof bW! = 1), f(typeof b
 ===bW) {bU=true; break} } else{if(by.filter(bW,[e]).length>0) {bU=e; break}} } e=e[bR] } bZ[bT]=bU} } } if(av. break) } if(by.filter(bW,[e]).length>0) {bU=e; break} } e=e[bR] } bZ[bT]=bU} } if(av. break) } if(by.filter(bW,[e]).length>0) {bU=e; break} } e=e[bR] } bZ[bT]=bU} } e=e[bR] } e=e[bR] } bZ[bT]=bU} } e=e[bR] } e=e[bR
 documentElement.contains) {by.contains=function(bR,e){return bR!==e&&(bR.contains?bR.contains(e):true)}}else{if(av.
documentElement.compareDocumentPosition) {by.contains=function(bR,e){return !!(bR.compareDocumentPosition(e)&16)}}
else(by.contains=function() {return false}}}by.isXML=function(e) {var bR=(e?e.ownerDocument||e:0).
documentElement;return bR?bR.nodeName!=="HTML":false};var bM=function(bS,e,bW) {var bV,bX=[],bU="",bY=e.nodeType?[e]:e;
while((bV=bE.match.PSEUDO.exec(bS))) {bU+=bV[0];bS=bS.replace(bE.match.PSEUDO,"")}bS=bE.relative[bS]?bS+"*":bS;
for(var bT=0,bR=bY.length;bT<br/>bR;bT++) {by(bS,bY[bT],bX,bW)}return by.filter(bU,bX)};by.attr=
b.attr;by.selectors.attrMap={};b.find=by;b.expr=by.selectors;b.expr[":"]=b.expr.filters;
b.unique=by.uniqueSort;b.text=by.getText;b.isXMLDoc=by.isXML;b.contains=by.contains})();var ab=/Until$/,aq=
  /^(?:parents|prevUntil|prevAll)/,a9=/,/,bp=/^.[^:#\[\.,]*$/,P=Array.prototype.slice,H=
b.expr.match.POS, ay={children:true,contents:true,next:true,prev:true};b.fn.extend({find:function(e){var bw=
this, by, by; if (typeof e!=="string") {return b(e).filter(function() {for(by=0,bv=bw.length; by<bv; by++) {if(b.cont ains(bw[by],this)) {return true}}})} var bx=this.pushStack("", "find",e), bA, bB, bz; for(by=0,bv=this.length; by<bv
;by++) {bA=bx.length;b.find(e,this[by],bx);if(by>0) {for (bB=bA;bB<bx.length;bB++) {for (bz=0;bz<br/>bA=bx.length;bB++) {for (bz=0;bz<br/>bA;bz++) {if (bx [bz]===bx[bB]) {bx.splice(bB--,1);break}}}}return bx}, has:function(bv) {var e=b(bv);return this.filter(function
 () {for(var bx=0,bw=e.length;bx<bw;bx++) {if(b.contains(this,e[bx])) {return true}}})),not:function(e) {return
this.pushStack(aG(this,e,false),"not",e)},filter:function(e){return this.pushStack(aG(this,e,true),"filter",e)},is:function(e){return !!e&&(typeof e==="string"?H.test(e)?b(e,this.context).index(this[0])>=0:
b.filter(e,this).length>0:this.filter(e).length>0)}, closest:function(by,bx) {var bv=[],bw,e,bz=this[0];if(b.isArray(by)) {var bB=1;while(bz&&bz.ownerDocument&&bz!==bx) {for(bw=0;bw<by.length;bw++) {if(b(bz).is(by[bw])) {bv.push({selector:by[bw],elem:bz,level:bB}))}bz=bz.parentNode;bB++}return bv}var bA=H.</pre>
 test(by)||typeof by!=="string"?b(by,bx||this.context):0;for(bw=0,e=this.length;bw<e;bw++){bz=this[bw];while(bz)
 {if(bA?bA.index(bz)>-1:b.find.matchesSelector(bz,by)){bv.push(bz);break}else{bz=bz.parentNode;if(!bz||!bz.
 ownerDocument||bz===bx||bz.nodeType===11) {break}}}bv=bv.length>1?b.unique(bv):bv;return this.pushStack(bv,"
 closest",by)},index:function(e){if(!e){return(this[0]&&this[0].parentNode)?this.prevAll().length:-1}if(typeof
 e==="string") {return b.inArray(this[0],b(e))} return b.inArray(e.jquery?e[0]:e,this)}, add:function(e,bv) {var
bx=typeof e==="string"?b(e,bv):b.makeArray(e&&e.nodeType?[e]:e),bw=b.merge(this.get(),bx);return this.
pushStack(C(bx[0])||C(bw[0])?bw:b.unique(bw))}, andSelf:function() {return this.add(this.prevObject)})); function C(e
 ) {return !e||!e.parentNode||e.parentNode.nodeType===11}b.each({parent:function(bv){var e=bv.parentNode;
  return e&&e.nodeType!==11?e:null},parents:function(e){return b.dir(e,"parentNode")},parentSUntil:function(bv,e,bw
) {return b.dir(bv, "parentNode", bw)}, next:function(e) {return b.nth(e,2, "nextSibling")}, prev:function(e) {return b.nth(e,2, "previousSibling")}, nextAll:function(e) {return b.dir(e, "nextSibling")}, prevAll:function(e) {
 return b.dir(e, "previousSibling") }, nextUntil:function(bv,e,bw) {return b.dir(bv, "nextSibling",bw)}, prevUntil:function(bv,e,bw) {return b.dir(bv, "previousSibling",bw)}, siblings:function(e) {return b.sibling(e.parentNode.
 firstChild,e)},children:function(e){return b.sibling(e.firstChild)},contents:function(e){return
 b.nodeName(e, "iframe")?e.contentDocument||e.contentWindow.document:b.makeArray(e.childNodes)}},function(e,
b.filter(bw,bx)}bx=this.length>1&&!ay[e]?b.unique(bx):bx;if((this.length>1||a).test(bw))&&aq.test(e)){bx=bx}.reverse()}return this.pushStack(bx,e,P.call(arguments).join(","))});b.extend({filter:function(bw,e,bv){if(bv){bw=":not("+bw+")"}return e.length===1?b.find.matchesSelector(e[0],bw)?[e[0]]:[]:
b.find.matches(bw,e)},dir:function(bw,bv,by) {var e=[],bx=bw[bv]; while(bx&&bx.nodeType!==9&&(by==
  L \mid | bx.nodeType! == 1 \mid | !b(bx).is(by))) \\ \{ if(bx.nodeType === 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \} return(e), nth: function(by, e, bw) \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \} return(e), nth: function(by, e, bw) \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \} return(e), nth: function(by, e, bw) \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \} return(e), nth: function(by, e, bw) \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \} return(e), nth: function(by, e, bw) \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx.nodeType == 1) \\ \{ e.push(bx) \} bx = bx[bv] \\ \{ if(bx) \} bx =
, bx {e=e||1; var bv=0; for (; by; by=by[bw]) {if (by.nodeType===1&&++bv===e) {break}} return by}, sibling: function (bw, bv) {var e=[]; for (; bw; bw=bw.nextSibling) {if (bw.nodeType===1&&bw!==bv) {e.push(bw)}} return e}}); function aG(bx, by) {bx} return e
bw,e) {bw=bw||0;if(b.isFunction(bw)) {return b.grep(bx,function(bz,by) {var bA=!!bw.call(bz,by,bz);return bA==e})}else{if(bw.nodeType) {return b.grep(bx,function(bz,by) {return(bz===bw)===e})}else{if(typeof bw==="string")}
 ) {war bw=b.grep(bx, function(by) {return by.nodeType===1}); if(bp.test(bw)) {return b.filter(bw,bv,!e)}else(bw=
 b.filter(bw,bv)}}}return b.grep(bx,function(bz,by){return(b.inArray(bz,bw)>=0)===e})}function a(e){var bw=
 aR.split("|"),bv=e.createDocumentFragment(); if (bv.createElement) {while (bw.length) {bv.createElement (bw.pop())}
 }}return bv}var aR="
abbr|article|asside|audio|canvas|datalist|details|figcaption|figure|footer|header|hgroup|mark|meter|nav|output|progress|area|br|col|embed|hr|img|input|link|meta|param)(([\w:]+)[^>]*)\/>/ig,d=/<([\w:]+)/,w=/<tbody/i,W=/<|&#?\w+;/,ae=/<(?:script|style)/i,O=/<(?:script|object|embed|option|style)/i,ah=new RegExp("<(?:"+aR+")","i"),o=/
optgroup=ax.option; ax.tbody=ax.tfoot=ax.colgroup=ax.caption=ax.thead; ax.th=ax.td; if(!
 b.support.htmlSerialize){ax._default=[1,"div<div>","</div>"]}b.fn.extend({text:function(e){if(
 b.isFunction(e)){return this.each(function(bw){var bv=b(this);bv.text(e.call(this,bw,bv.text()))})}if(
 typeof e!=="object"&&e!==L){return this.empty().append((this[0]&&this[0].ownerDocument||av).createTextNode(e))}
  return b.text(this)},wrapAll:function(e){if(b.isFunction(e)){return this.each(function(bw){
b(\texttt{this}). \texttt{wrapAll}(\texttt{e.call}(\texttt{this,bw})))) \\ \texttt{if}(\texttt{this}[0]) \\ \{\texttt{var} \ \ \texttt{bv=b}(\texttt{e,this}[0]. \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{clone}(\texttt{true}); \\ \texttt{if}(\texttt{this}[0]) \\ \texttt{ownerDocument} \\ \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{clone}(\texttt{true}); \\ \texttt{if}(\texttt{this}[0]) \\ \texttt{ownerDocument} \\ \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{clone}(\texttt{true}); \\ \texttt{if}(\texttt{this}[0]) \\ \texttt{ownerDocument} \\ \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{clone}(\texttt{true}); \\ \texttt{if}(\texttt{this}[0]) \\ \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{eq}(0). \\ \texttt{ownerDocument}). \\ \texttt{eq}(0). \\ \texttt{e
 0].parentNode) {bv.insertBefore(this[0])}bv.map(function(){var bw=this; while(bw.firstChild&&bw.firstChild.
nodeType===1) (bw=bw.firstChild)return bw}).append(this)}return this},wrapInner:function(e){if(
 b.isFunction(e)){return this.each(function(bv){b(this).wrapInner(e.call(this,bv))})}return this.
 each(function() {var bv=b(this),bw=bv.contents();if(bw.length) {bw.wrapAll(e)}else{bv.append(e)}})},wrap:
 function(e) {var bv=b.isFunction(e); return this.each(function(bw) {b(this).wrapAll(bv?e.call(this,bw):e)})}, unwrap
 childNodes) } } . end() }, append:function() {return this.domManip(arguments, true, function(e) { if (this.nodeType===1) {
    this.appendChild(e) } }) }, prepend:function() { return this.domManip(arguments, true, function(e) { if (this.nodeType===1) }
    {this.insertBefore(e, this.firstChild) } }) }, before:function() { if (this[0] & this[0] . parentNode) { return this.
 domManip(arguments, false, function(bv) {this.parentNode.insertBefore(bv,this)}})else{if(arguments.length) {var e=
b.clean(arguments);e.push.apply(e,this.toArray());return this.pushStack(e,"before",arguments)}}},after:
function(){if(this[0]&&this[0].parentNode){return this.domManip(arguments, false, function(by){this.parentNode.insertBefore(bv,this.nextSibling)})}else{if(arguments.length){var e=this.pushStack(this,"after",arguments);e.push.apply(e,b.clean(arguments));return e}},remove:function(e,bx){for(var bv=0,bw;(bw=this[bv])!=null;bv++){if(!e||b.filter(e,[bw]).length){if(!bx&&bw.nodeType===1){b.cleanData(bw.getElementsByTagName("*"));}
 b.cleanData([bw])}if(bw.parentNode){bw.parentNode.removeChild(bw)}}}return this},empty:function(){for(var e
 =0,bv; (bv=this[e])!=null;e++) {if (bv.nodeType===1) {b.cleanData(bv.getElementsByTagName("*"))} while (bv.
firstChild) {bv.removeChild(bv.firstChild)} } return this}, clone:function(bv,e) {bv=bv=null?false:bv;e=e==null?bv:e;
return this.map(function() {return b.clone(this,bv,e)})}, html:function(bx) {if(bx===L) {return this[0] &&this[0].
nodeType===1?this[0].innerHTML.replace(ag, ""):null}else{if(typeof bx==="string"&&!ae.test(bx)&&(
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b.support.leadingWhitespace||!ar.test(bx))&&!ax[(d.exec(bx)||["",""])[1].toLowerCase()]){bx=bx.replace(R,'
else{if(b.isFunction(bx)){this.each(function(bz){var e=b(this);e.html(bx.call(this,bz,e.html()))}}}else
  this.empty().append(bx)\}\}\\ return this\}, replaceWith:function(e) \\ \{if(this[0]&&this[0].parentNode)\}\\ (if(this[0]&&this[0].parentNode)\}\\ (if(this[0]&&this[0].parentNode))\\ (if(this[0]&&this
 b.isFunction(e)) {return this.each(function(bx) {var bw=b(this),bv=bw.html();bw.replaceWith(e.call(this,bx,bv
 )))))if(typeof e!=="string"){e=b(e).detach()}return this.each(function(){var bw=this.nextSibling,bv=this.
 pushStack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}, detach: function (e) \{ \textit{return} \ this. \textit{remove} (e, \textit{true}) \}, domManip: this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}, detach: function (e) \{ \textit{return} \ this. \textit{remove} (e, \textit{true}) \}, domManip: this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith", e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith (e) : this \} \}. The push stack (b (b.isFunction (e) ?e() :e), "replaceWith (e) :e), "replaceWith (e) : this \} \}. The push stack (b (b.isFunction
  function(bB,bF,bE){var bx,by,bA,bD,bC=bB[0],bv=[];if(!b.support.checkClone&&arguments.length===3&&typeof bC
==="string"&&o.test(bC)){return this.each(function(){b(this).domManip(bB,bF,bE,true)})}if(
b.isFunction(bC)){return this.each(function(bH){var bG=b(this);bB[0]=bC.call(this,bH,bF?bG.html():
L);bG.domManip(bB,bF,bE)})}if(this[0]){bD=bC&&bC.parentNode;if(b.support.parentNode&&bD&&bD.nodeType===11&&
  bD.childNodes.length===this.length) {bx={fragment:bD}}else{bx=b.buildFragment(bB,this,bv)}bA=bx.fragment;if(
  bA.childNodes.length === 1) \\ \{by = bA = bA.firstChild\} \\ else \\ \{by = bA.firstChild\} \\ if (by) \\ \{bF = bF\&\& BA.firstChild\} \\ else \\ \{by = bA.firstChild\} 
 b.nodeName(by,"tr"); \\ for(var bw=0,e=this.length,bz=e-1;bw<e;bw++) \\ \{bE.call(bF?ba(this[bw],by):this[bw],bx.bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx.by,bx
cacheable||(e>l&&bw<bz)?D.clone(bA, true, true):bA)}}if(bv.length){b.each(bv,bo)}}return this});function ba(e,bv)}return b.nodeName(e, "table")?(e.getElementsByTagName("tbody")[0]||e.appendChild(e.ownerDocument.createElement("tbody"))):e}function t(bB,bv){if(bv.nodeType!==1||!b.hasData(bB))}return}var by,bx,e,bA=
  b._data(bB),bz=b._data(bv,bA),bw=bA.events;if(bw){delete bz.handle;bz.events={};for(by in bw){for(bx=0,e=bw
  [by].length;bx<e;bx++) {b.event.add(bv,by+(bw[by][bx].namespace?".":"")+bw[by][bx].namespace,bw[by][bx],bw[by]
  ][bx].data)}}}if(bz.data){bz.data=b.extend({},bz.data)}}function ai(bv,e){var bw;if(e.nodeType!==1){re
if (e.clearAttributes) {e.clearAttributes()} if (e.mergeAttributes) {e.mergeAttributes(bv)}bw=e.nodeName.
toLowerCase(); if (bw==="object") {e.outerHTML=bv.outerHTML}else{if (bw==="input"&& (bv.type==="checkbox"||bv.type==="
  radio")){if(bv.checked){e.defaultChecked=e.checked=bv.checked}if(e.value!==bv.value){e.value=bv.value}}else{if(
  bw==="option") {e.selected=bv.defaultSelected}else{if(bw==="input"||bw==="textarea") {e.defaultValue=bv.
  defaultValue}}}}e.removeAttribute(b.expando)}b.buildFragment=function(bz,bx,bv){var by,e,bw,bA,bB=bz[0];if(bx&&bx[0]);ff(bx&bx)[0];hf(bx&bx)[0];hf(bx&bx)[0];hf(bx&bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)[0];hf(bx)
  ]) \{bA=bx[0]. ownerDocument | |bx[0]\} \\ \frac{if}{i} (!bA.createDocumentFragment) \{bA=av\} \\ \frac{if}{i} (bz.length===1\&\&typeof bB==="string") \\ \frac{if}{i} (bz.length===1\&\&typeof bB===="string") \\ \frac{if}{i} (bz.length===1\&\&typeof bB===="string") \\ \frac{if}{i} (bz.length===1\&\&typeof bB====1\&\&typeof bB===="string") \\ \frac{if}{i} (bz.length===1\&\&typeof bB===1\&\&typeof bB==1\&\&typeof bB==1\&\&typeof bB===1\&\&typeof bB==1\&\&typeof bB==1\&
  &&bB.length<512&&bA===av&&bB.charAt(0)==="<"&&!O.test(bB)&&(b.support.checkClone||!o.test(bB))&&(
b.support.html5Clone||!ah.test(bB))) {e=true;bw=b.fragments[bB];if(bw&&bw!==1) {by=bw}}if(!by) {by=bA.createDocumentFragment();b.clean(bz,bA,by,bv)}if(e) {b.fragments[bB]=bw?by:1}return{fragment:by,cacheable:e}};
b.fragments={};b.each({appendTo:"appendTo:"prependTo:"prepend",insertBefore:"before",insertAfter:"after", replaceAll:"replaceWith"},function(e,bv){b.fn[e]=function(bw){var bz=[],bC=b(bw),bB=this.length===1&&this[0].
  parentNode; if (bB&&bB.nodeType===11&&bB.childNodes.length===1&&bC.length===1) {bC[bv] (this[0]); return this}else{
    for(var bA=0,bx=bC.length;bA<bx;bA++){var by=(bA>0?this.clone(true):this).get();b(bC[bA])[bv](by);bz=bz.
concat(by)}return this.pushStack(bz,e,bC.selector)}});function bg(e){if(typeof e.getElementsByTagName!=="
undefined"){return e.getElementsByTagName("*")}else{if(typeof e.querySelectorAll!=="undefined"){return e.
querySelectorAll("*")}else{return[]}}function az(e){if(e.type==="checkbox"||e.type==="radio"){e.defaultChecked=e.
  checked}}function E(e){var bv=(e.nodeName||"").toLowerCase();if(bv==="input"){az(e)}else{if(bv!=="script"&&
  typeof e.getElementsByTagName!=="undefined") {b.grep(e.getElementsByTagName("input"),az)}}}function al(e){var bv=
  av.createElement("div"); ac.appendChild(bv); bv.innerHTML=e.outerHTML; return bv.firstChild}
 \texttt{b.extend}(\{\texttt{clone:function}(\texttt{by},\texttt{bA},\texttt{bw})\{\texttt{var}\ \texttt{e,bv},\texttt{bx},\texttt{bz=b.support.html5Clone}|| !\texttt{ah.test}("<"+\texttt{by.nodeName})? \texttt{by.nodeName}) ?\texttt{by.nodeName}) ?\texttt{by.n
  \verb|cloneNode(true): al(by); \verb|if((!b.support.noCloneEvent||!b.support.noCloneChecked) & & (by.nodeType===1||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType===11||by.nodeType
  ) &&!b.isXMLDoc(by)) {ai(by,bz);e=bg(by);bv=bg(bz);for(bx=0;e[bx];++bx) {if(bv[bx]) {ai(e[bx],bv[bx])}}}if(bA) {t
   (by,bz); if (bw) {e=bg(by); bv=bg(bz); for(bx=0;e[bx];++bx) {t(e[bx],bv[bx])}}}e=bv=null; return bz}, clean: function
    (bw,by,bH,bA) {var bF;by=by||av; if (typeof by createElement==="undefined") {by=by.ownerDocument||by[0]&&by[0].
  ownerDocument \\ ||av}var bI=[], bB; \\ for \\ (var bE=0,bz; \\ (bz=bw[bE])!=null; bE++) \\ \{if(typeof bz==="number") \\ \{bz+=""\}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+=""\}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+="""\}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+="""\}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+="""\}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+="""}if(!bz=bw[bE])!=null; bE++\} \\ \{if(typeof bz==="number") \\ \{bz+="""}if(typeof bz===""") \\ \{bz+="""}if(typeof bz==="number") \\ \{bz+="""}if(typeof bz==""") \\ \{bz+="""}if(typeof bz===""") \\ \{bz+="""}if(typeof bz==""") \\ \{bz+="""}i
 if (by==av) {ac.appendChild(bv)}else{a(by).appendChild(bv)}bv.innerHTML=bx[1]+bz+bx[2];while(bD--){bv=bv.lastChild}if(!b.support.tbody){var e=w.test(bz),bC=bK==="table"&&!e?bv.firstChild&&bv.firstChild.childNodes:bx[1]
   ]===""&&!e?bv.childNodes:[];for(bB=bC.length-1;bB>=0;--bB){if(b.nodeName(bC[bB],"tbody")&&!bC[bB].
   \verb| childNodes.length| $ \{bC[bB].parentNode.removeChild(bC[bB]) \} \} \\ \\ \frac{if}{i} (!b.support.leadingWhitespace \& ar.test(bz)) \\ \\ \{bv.support.leadingWhitespace \& ar.test(bz)) \} \\ \\ \frac{if}{i} (!b.support.leadingWhitespace \& ar.test(bz)) \\ \\ \frac{if}{i
insertBefore (by.createTextNode (ar.exec(bz)[0]), bv.firstChild) {bz=bv.childNodes} { var bG; if! b.support.appendChecked) { if (bz[0]&&typeof(bG=bz.length) ==="number") { for (bB=0; bB<bG; bB++) { E(bz[bB]) } } else { E(bz) } if (bz.nodeType) { bl.push(bz) } else { bl=b.merge(bI,bz) } if (bH) { bF=function(bL) { return !bL.type||bm.test(bL.type) }; for (bE=0; bI[bE]; bE++) { if (bA&&b.nodeName(bI[bE], "script") && (!bI[bE].type||bI[bE].type.toLowerCase() ===
  "text/javascript")) {bA.push(bI[bE].parentNode?bI[bE].parentNode.removeChild(bI[bE]):bI[bE])}else{if(bI[bE])}
  nodeType===1) (var bJ=b.grep(bI[bE].getElementsByTagName("script"),bF);bI.splice.apply(bI,[bE+1,0].concat(bJ))
  }bH.appendChild(bI[bE])}}}return bI},cleanData:function(bv){var by,bw,e=b.cache,bB=
b.event.special,bA=b.support.deleteExpando; for (var bz=0,bx; (bx=bv[bz]) !=null;bz++) { if (bx.nodeName&&
b.noData[bx.nodeName.toLowerCase()]) { continue} bw=bx[b.expando]; if (bw) { by=e[bw]; if (by&&by.events) { for (var bC
in by.events) { if (bB[bC]) { b.event.remove(bx,bC)} else{b.removeEvent(bx,bC,by.handle) } } if (by.handle) { by.handle) { by.handle}
    .elem=null}}if(bA){delete bx[b.expando]}else{if(bx.removeAttribute)}bx.removeAttribute(
  b.expando)}}delete e[bw]}}}});function bo(e,bv){if(bv.src){b.ajax({url:bv.src,async:false,dataType:"script"
  \})\ \\ \text{else} \{ b. \\ \text{globalEval} ((bv.text | |bv.textContent| |bv.innerHTML| | ""}). \\ \text{replace} (aN, "/*\$0*/")) \} \\ \\ \text{if} (bv.parentNode) \{bv.text(bv.text | |bv.textContent| |bv.textCon
 parentNode.removeChild(bv)\}\}var \ ak=/alpha\backslash([^{)}]*\\)/i
```

Definition at line 16 of file jquery.js.

7.24.2.8 function bb

Definition at line 16 of file jquery.js.

7.24.2.9 var bq =/#.*\$/

Definition at line 23 of file jquery.js.

7.24.2.10 var bs = \r ?\n/g

Definition at line 23 of file jquery.js.

7.24.2.11 var c

Initial value:

```
=/^\/

* jQuery UI 1.8.18

*
* Copyright 2011
```

Definition at line 23 of file jquery.js.

7.24.2.12 b fn css =function(e,bv){if(arguments.length===2&&bv===L){return this}return b.access(this,e,bv,true,function(bx,bw,by){return by!==L?b.style(bx,bw,by):b.css(bx,bw)})}

Definition at line 23 of file jquery.js.

7.24.2.13 b curCSS =b.css

Definition at line 23 of file jquery.js.

7.24.2.14 var k =/%20/g

Definition at line 23 of file jquery.js.

7.24.2.15 function L {var av=bb.document,bu=bb.navigator,bl=bb.location

Definition at line 16 of file jquery.js.

7.24.2.16 Z =al||aX

Definition at line 23 of file jquery.js.

7.25 html/search/all_0.js File Reference

Variables

• var searchData

7.25.1 Variable Documentation

7.25.1.1 var searchData

Initial value:

Definition at line 1 of file all_0.js.

7.26 html/search/all_1.js File Reference

Variables

var searchData

7.26.1 Variable Documentation

7.26.1.1 var searchData

Initial value:

Definition at line 1 of file all_1.js.

7.27 html/search/all_10.js File Reference

Variables

- var searchData
- CommonEnums hpp

7.27.1 Variable Documentation

7.27.1.1 CommonEnums hpp

Definition at line 6 of file all 10.js.

7.27.1.2 var searchData

Initial value:

```
[
['p',['p',['../jquery_8js.html#a2335e57f79b6acfb6de59c235dc8a83e',1,'jquery.js']]],
['pages_5f0_2ejs',['pages_0.js',['../pages__0_8js.html',1,'']]],
['pathname',['pathName',['../navtree_8js.html#a364b3f4132309fa9aae78585cf2cb772',1,'navtree.js']]],
['pause',['pause',['../class_timer.html#a0289effad7b573c508bc27e405900a23',1,'Timer::pause()'],['../common_enums_8hpp.html#a808e5cd4979462d3bbe3070d7d147444a105b296a83f9c105355403f33332af50f',1,'Pause():&#160
```

Definition at line 1 of file all_10.js.

7.28 html/search/all_11.js File Reference

Variables

· var searchData

7.28.1 Variable Documentation

7.28.1.1 var searchData

Initial value:

Definition at line 1 of file all_11.js.

7.29 html/search/all_12.js File Reference

Variables

var searchData

7.29.1 Variable Documentation

7.29.1.1 var searchData

Initial value:

```
['r',['r',['../class_game_object.html#adf0f33f5a103f8960b49e37ad390ee7d',1,'GameObject::r()'],['
                 ../struct_button.html#aaf701ece10a82a5b764f7294b5906dbd',1,'Button::r()']]],
['readcookie',['readCookie',['../resize_8js.html#a578d54a5ebd9224fad0213048e7a49a7',1,'resize.js']]],
['reading', ['READING', ['
               ../class\_net\_message.html \#a09aaa79b19ae071bd3fecfe5f90b0f97a56564a3fb85ec411a20ac99ad0a559df', 1, 'NetMessage']]], and the context of the 
['readme_2emd', ['README.md', ['../_re_a_d_m_e_8md.html',1,'']]],
['ready', ['Ready', ['../class_tcp_socket.html#a6727e974bf445190695a25ffc168498',1,'TcpSocket']]],
['receive',['Receive',['../class_client_socket.html#ad66b7a5ad5a99fc144c0034267184344',1,'ClientSocket']]
,'GameStateMachine']]],
['removecolor', ['removeColor', ['.../class\_texture\_manager.html\#a7e9984dd269434403e25108bc7f9723c', 1, 'lemoveColor', ['removeColor', ['.../class\_texture\_manager.html#a7e9984dd269434403e25108bc7f9723c', 1, 'lemoveColor', 1, 'lem
               TextureManager']]],
['removefont',['removeFont',['../class_texture_manager.html#a89c9d1109c0b6434623c78844e938aa2',1,'
               TextureManager']]],
['removemusic',['removeMusic',['../class_sound_manager.html#a55360940bcadf3858c37781cd0e97919',1,'
              SoundManager']]],
['removesfx', ['removesfx', ['../class_sound_manager.html#a787bfb6e53cecd35f5d5ff13377f5fcf',1,'
               SoundManager']]],
['removetexture',['removeTexture',['../class_texture_manager.html#ab845a8cb25c1773d41f293640b0bfc2a',1,'
               TextureManager']]],
'navtree.js']]],
['removeviewport',['removeViewport',['../class_texture_manager.html#aa437fd6651b21facf9a9ab5a19e5fe54',1,
'TextureManager']]],
['render',['render',['../class_game.html#a15ddd769261d923827a3cdf41499c843',1,'Game::render()'],['
               ../class_game_over_state.html#a8c1dee88ec3505743033ad685b5d07cf',1,'GameOverState::render()'],['
               ../class_game_state.html#acf2fa61a0f647a7563ea61de48bd445c',1,'GameState::render()'],['
../class_game_state_machine.html#abfad06d5c6aa2f7d96a18e405f6d56c5',1,'GameStateMachine::render()'],['
               ../class_menu_state.html#ad7afca66ece4ale7bad77828e4f39f3e',1,'MenuState::render()'],('../class_pause_state.html#ad9f4e2
PauseState::render()'],('../class_play_state.html#ad0b2654d0d822b853c6d06ee5c4a95c2',1,'PlayState::render()'],[
                  ../class_setting_state.html#ade23556bc96502c5c32c18d77d9d97bf',1,'SettingState::render()'],['
                 ../class_texture.html#a9c17fab430aec359ecbb1da2d30ee729',1,'Texture::render()']]],
['request StackClear', ['../class\_game\_state.html \#adc2d30de38b7feb912e97c916b817616', 1] + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-1...) + (-
               ,'GameState']]],
['requests tackpop', ['requestStackPop', ['../class\_game\_state.html \#ad569d66f8d0865d27cd440fedd8b1e3f', 1, 'left ads from the property of t
              GameState']]],
['requeststackpush',['requestStackPush',['../class_game_state.html#a9c76fffe7f14ec73a043f494d60c65c0',1,'
               GameState']]],
['reset',['reset',['../class_input_manager.html#ae91e72df4d98cae96c2dbd7121150249',1,'
InputManager::reset()'],['../class_net_message.html#a4d99c2a021cb3c61db21a37ec74efef7',1,'NetMessage::reset()']],
['resize_2ejs',['resize.js',['../resize_8js.html',1,'']]],
['resizeheight',['resizeHeight',['../resize_8js.html#a4bd3414bc1780222b192bcf33b645804',1,'resize.js']],
['resizewidth',['resizeWidth',['../resize_8js.html#a99942f5b5c75445364f2437051090367',1,'resize.js']]],
['restorewidth',['restoreWidth',['../resize_8js.html#a517273f9259c941fd618dda7a901e6c2',1,'resize.js']]],
['resumemusic',['resumeMusic',['../class_sound_manager.html#abd77ddeb149ae99524d536e0f6f47507',1,'
               SoundManager']]],
['right',['RIGHT',[
               ../ \_ input\_manager\_8hpp.html \#a7e5f61c59f658d9196d15f3b98f1e56eaec8379af7490bb9eaaf579cf17876f38', 1, 'InputManager.hpp']]]
```

Definition at line 1 of file all_12.js.

7.30 html/search/all_13.js File Reference

Variables

- · var searchData
- all 0 js

7.30.1 Variable Documentation

```
7.30.1.1 all_0 js
```

Definition at line 8 of file all 13.js.

7.30.1.2 var searchData

Initial value:

Definition at line 1 of file all_13.js.

7.31 html/search/all_14.js File Reference

Variables

· var searchData

7.31.1 Variable Documentation

7.31.1.1 var searchData

Initial value:

Definition at line 1 of file all_14.js.

7.32 html/search/all_15.js File Reference

Variables

· var searchData

7.32.1 Variable Documentation

7.32.1.1 var searchData

Initial value:

Definition at line 1 of file all 15.js.

7.33 html/search/all_16.js File Reference

Variables

· var searchData

7.33.1 Variable Documentation

7.33.1.1 var searchData

Definition at line 1 of file all_16.js.

7.34 html/search/all_17.js File Reference

Variables

· var searchData

7.34.1 Variable Documentation

7.34.1.1 var searchData

Initial value:

```
[
['width',['width',['../class_game_object.html#a461647c775e04bffb85977084a196542',1,'GameObject']]],
['writecookie',['writeCookie',['../resize_8js.html#ad0822459a7d442b8c5e4db795d0aabb4',1,'resize.js']]],
['writing',['WRITING',['
../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97a0d6f9aa7ald5756a47474d7c52839ac9',1,'NetMessage']]]
```

Definition at line 1 of file all_17.js.

7.35 html/search/all_18.js File Reference

Variables

· var searchData

7.35.1 Variable Documentation

7.35.1.1 var searchData

Initial value:

```
[
['x',['x',['../struct_button.html#a2ec3bc40025b64b44319e7464164d61f',1,'Button']]],
['x1',['x1',['../struct_button.html#aedc881eba82814a7e6c62f3954b37665',1,'Button']]],
['x2',['x2',['../struct_button.html#af1cfe70765d31617c45a1cd42b1763c0',1,'Button']]]
```

Definition at line 1 of file all_18.js.

7.36 html/search/all_19.js File Reference

Variables

• var searchData

7.36.1 Variable Documentation

7.36.1.1 var searchData

Initial value:

```
[
['y',['y',['../struct_button.html#afff35ce0c47f662c3b096e5b644648a5',1,'Button']]],
['y1',['y1',['../struct_button.html#a8b5ebffd19ed6c1708092d568f684ca3',1,'Button']]],
['y2',['y2',['../struct_button.html#aaa0cda56851alad65816d1f6849d6c6f',1,'Button']]]
]
```

Definition at line 1 of file all_19.js.

7.37 html/search/all_1a.js File Reference

Variables

7.37.1 Variable Documentation

7.37.1.1 var searchData

Initial value:

```
=
[
['z',['Z',['../jquery_8js.html#adc18d83abfd9f87d396e8fd6b6ac0fe1',1,'jquery.js']]]
]
```

Definition at line 1 of file all_1a.js.

7.38 html/search/all_1b.js File Reference

Variables

· var searchData

7.38.1 Variable Documentation

7.38.1.1 var searchData

Initial value:

Definition at line 1 of file all_1b.js.

7.39 html/search/all_2.js File Reference

Variables

- var searchData
- jquery js

7.39.1 Variable Documentation

7.39.1.1 jquery js

Definition at line 3 of file all_2.js.

7.39.1.2 var searchData

Initial value:

Definition at line 1 of file all_2.js.

7.40 html/search/all_3.js File Reference

Variables

var searchData

7.40.1 Variable Documentation

7.40.1.1 var searchData

Definition at line 1 of file all 3.js.

7.41 html/search/all_4.js File Reference

Variables

· var searchData

7.41.1 Variable Documentation

7.41.1.1 var searchData

Initial value:

Definition at line 1 of file all_4.js.

7.42 html/search/all_5.js File Reference

Variables

· var searchData

7.42.1 Variable Documentation

7.42.1.1 var searchData

Initial value:

```
['each',['each',['.../jquery_8js.html#a871ff39db627c54c710a3e9909b8234c',1,'jquery.js']]],
['empty',['EMPTY',['
.../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97a122c16aa3b80b2bfb34149f0bdaddbbc',1,'NetMessage']]],
['endtimer',['endTimer', '../class_system_time.html#a0b409b3645116fd98b8e4da6eb317bf6',1,'SystemTime']]],
['enums_5f0_2ejs',['enums_0.js',['../enums_0.8js.html',1,'']]],
['enums_5f1_2ejs',['enums_1.js',['../enums_1.8js.html',1,'']]],
['enums_5f2_2ejs',['enums_2.js',['../enums_2.8js.html',1,'']]],
['enums_5f3_2ejs',['enums_3.js',['../enums_3.8js.html',1,'']]],
['enums_5f4_2ejs',['enums_4.js',['../enums_4.8js.html',1,'']]],
['enumvalues_5f0_2ejs',['enumvalues_0.js',['../enumvalues_0.8js.html',1,'']]],
['enumvalues_5f1_2ejs',['enumvalues_1.js',['../enumvalues_1.8js.html',1,'']]],
['enumvalues_5f3_2ejs',['enumvalues_3.js',['../enumvalues_2.8js.html',1,'']]],
['enumvalues_5f3_2ejs',['enumvalues_3.js',['../enumvalues_3.8js.html',1,'']]],
['enumvalues_5f3_2ejs',['enumvalues_5.js',['../enumvalues_4.8js.html',1,'']]],
['enumvalues_5f5_2ejs',['enumvalues_5.js',['../enumvalues_5.8js.html',1,'']]],
['enumvalues_5f6_2ejs',['enumvalues_5.js',['../enumvalues_7.8js.html',1,'']]],
['enumvalues_5f6_2ejs',['enumvalues_8.js',['../enumvalues_7.8js.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_9.js',['../enumvalues_8.8js.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_9.js',['../enumvalues_9.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enumvalues_8.8]s.html',1,'']]],
['enumvalues_5f8_2ejs',['enumvalues_8.js',['../enum
```

Definition at line 1 of file all 5.js.

7.43 html/search/all_6.js File Reference

Variables

· var searchData

7.43.1 Variable Documentation

7.43.1.1 var searchData

Definition at line 1 of file all_6.js.

7.44 html/search/all_7.js File Reference

Variables

- · var searchData
- · search js

7.44.1 Variable Documentation

```
7.44.1.1 search js
```

Definition at line 45 of file all_7.js.

7.44.1.2 var searchData

Definition at line 1 of file all 7.js.

7.45 html/search/all_8.js File Reference

Variables

- · var searchData
- all 12 js

7.45.1 Variable Documentation

```
7.45.1.1 all_12 js
```

Definition at line 14 of file all_8.js.

7.45.1.2 var searchData

Initial value:

Definition at line 1 of file all_8.js.

7.46 html/search/all_9.js File Reference

Variables

- · var searchData
- jquery js

7.46.1 Variable Documentation

7.46.1.1 jquery js

Definition at line 3 of file all 9.js.

7.46.1.2 var searchData

Initial value:

```
=
[
'if',['if',['../jquery_8js.html#a9db6d45a025ad692282fe23e69eeba43',1,'if(!b.support.opacity):&#160
```

Definition at line 1 of file all_9.js.

7.47 html/search/all_a.js File Reference

Variables

var searchData

7.47.1 Variable Documentation

7.47.1.1 var searchData

Initial value:

Definition at line 1 of file all_a.js.

7.48 html/search/all_b.js File Reference

Variables

· var searchData

7.48.1 Variable Documentation

7.48.1.1 var searchData

Initial value:

```
=
[
['k',['k',['../jquery_8js.html#ab26645c014aa005ecedef329ecf58c99',1,'jquery.js']]]
]
```

Definition at line 1 of file all b.js.

7.49 html/search/all_c.js File Reference

Variables

· var searchData

7.49.1 Variable Documentation

7.49.1.1 var searchData

Initial value:

Definition at line 1 of file all_c.js.

7.50 html/search/all_d.js File Reference

Variables

· var searchData

7.50.1 Variable Documentation

7.50.1.1 var searchData

Initial value:

```
=
[
['m_5fsocket',['m_Socket',['../class_tcp_socket.html#a7c08ca662d111a1d8c9419bb2654b2c3',1,'TcpSocket']]],
['main'
```

Definition at line 1 of file all_d.js.

7.51 html/search/all_e.js File Reference

Variables

- · var searchData
- resize js

7.51.1 Variable Documentation

7.51.1.1 resize js

Definition at line 5 of file all_e.js.

7.51.1.2 var searchData

Initial value:

```
[
['name',['name',['../class_game_state.html#aece1f40d0d84c629ef4f3bb1d1a952f6',1,'GameState']]],
['navto',['navTo',['../navtree_8js.html#a21beb601032fff375100a907f32129a5',1,'navtree.js']]],
['navtree',['navtree',['../resize_8js.html#a711d37a3374012d4f6060fffe0abea55',1,'navtree():&#160
```

Definition at line 1 of file all_e.js.

7.52 html/search/all_f.js File Reference

Variables

var searchData

7.52.1 Variable Documentation

7.52.1.1 var searchData

Initial value:

Definition at line 1 of file all_f.js.

7.53 html/search/classes_0.js File Reference

Variables

· var searchData

7.53.1 Variable Documentation

7.53.1.1 var searchData

Initial value:

```
= [
['_5fipaddress',['_IpAddress',['../class__ip_address.html',1,'']]]
```

Definition at line 1 of file classes_0.js.

7.54 html/search/classes_1.js File Reference

Variables

· var searchData

7.54.1 Variable Documentation

7.54.1.1 var searchData

Initial value:

```
=
[
['button',['Button',['../struct_button.html',1,'']]]
]
```

Definition at line 1 of file classes_1.js.

7.55 html/search/classes_2.js File Reference

Variables

· var searchData

7.55.1 Variable Documentation

7.55.1.1 var searchData

Initial value:

```
[
[
['clientsocket',['ClientSocket',['../class_client_socket.html',1,'']]]
]
```

Definition at line 1 of file classes_2.js.

7.56 html/search/classes_3.js File Reference

Variables

7.56.1 Variable Documentation

7.56.1.1 var searchData

Initial value:

```
[
['game',['Game',['../class_game.html',1,'']]],
['gameobject',['GameObject',['../class_game_object.html',1,'']]],
['gameoverstate',['GameOverState',['../class_game_over_state.html',1,'']]],
['gamestate',['GameState',['../class_game_state.html',1,'']]],
['gamestatemachine',['GameStateMachine',['../class_game_state_machine.html',1,'']]],
['gfxasset',['GFXAsset',['../struct_g_f_x_asset.html',1,'']]]
```

Definition at line 1 of file classes_3.js.

7.57 html/search/classes_4.js File Reference

Variables

· var searchData

7.57.1 Variable Documentation

7.57.1.1 var searchData

Initial value:

```
[
['hostsocket',['HostSocket',['../class_host_socket.html',1,'']]]
```

Definition at line 1 of file classes_4.js.

7.58 html/search/classes_5.js File Reference

Variables

7.58.1 Variable Documentation

7.58.1.1 var searchData

Initial value:

```
[
['imageasset',['ImageAsset',['../struct_image_asset.html',1,'']]],
['inputmanager',['InputManager',['../class_input_manager.html',1,'']]]]
```

Definition at line 1 of file classes_5.js.

7.59 html/search/classes_6.js File Reference

Variables

· var searchData

7.59.1 Variable Documentation

7.59.1.1 var searchData

Initial value:

```
=
[
['logfile',['Logfile',['../class_logfile.html',1,'']]]
]
```

Definition at line 1 of file classes_6.js.

7.60 html/search/classes_7.js File Reference

Variables

• var searchData

7.60.1 Variable Documentation

7.60.1.1 var searchData

Initial value:

```
[
['menubutton',['MenuButton',['../class_menu_button.html',1,'']]],
['menustate',['MenuState',['../class_menu_state.html',1,'']]]
```

Definition at line 1 of file classes_7.js.

7.61 html/search/classes_8.js File Reference

Variables

· var searchData

7.61.1 Variable Documentation

7.61.1.1 var searchData

Initial value:

```
[
['net',['Net',['../class_net.html',1,'']]],
['netmessage',['NetMessage',['../class_net_message.html',1,'']]]
```

Definition at line 1 of file classes_8.js.

7.62 html/search/classes_9.js File Reference

Variables

· var searchData

7.62.1 Variable Documentation

7.62.1.1 var searchData

Initial value:

```
[
['pausestate',['PauseState',['../class_pause_state.html',1,'']]],
['playstate',['PlayState',['../class_play_state.html',1,'']]]
```

Definition at line 1 of file classes_9.js.

7.63 html/search/classes_a.js File Reference

Variables

7.63.1 Variable Documentation

7.63.1.1 var searchData

Initial value:

```
[
['settingstate',['SettingState',['../class_setting_state.html',1,'']]],
['soundmanager',['SoundManager',['../class_sound_manager.html',1,'']]],
['systemtime',['SystemTime',['../class_system_time.html',1,'']]]
```

Definition at line 1 of file classes_a.js.

7.64 html/search/classes_b.js File Reference

Variables

· var searchData

7.64.1 Variable Documentation

7.64.1.1 var searchData

Initial value:

```
[
['tcpsocket',['TcpSocket',['../class_tcp_socket.html',1,'']]],
['textasset',['TextAsset',['../struct_text_asset.html',1,'']]],
['texture',['Texture',['../class_texture.html',1,'']]],
['texturemanager',['TextureManager',['../class_texture_manager.html',1,'']]],
['timer',['Timer',['../class_timer.html',1,'']]]
```

Definition at line 1 of file classes_b.js.

7.65 html/search/classes_c.js File Reference

Variables

7.65.1 Variable Documentation

7.65.1.1 var searchData

Initial value:

```
[
['vector2d',['Vector2D',['../class_vector2_d.html',1,'']]],
['viewport',['Viewport',['../struct_viewport.html',1,'']]]
```

Definition at line 1 of file classes_c.js.

7.66 html/search/enums_0.js File Reference

Variables

· var searchData

7.66.1 Variable Documentation

7.66.1.1 var searchData

Initial value:

```
=
[
['bufstates',['bufstates',['../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97',1,'NetMessage']]
]
]
```

Definition at line 1 of file enums_0.js.

7.67 html/search/enums_1.js File Reference

Variables

· var searchData

7.67.1 Variable Documentation

7.67.1.1 var searchData

Initial value:

```
=
[
['flip',['FLIP',['../_common_enums_8hpp.html#a996afc83d9898beed790376b4895cada',1,'CommonEnums.hpp']]]
```

Definition at line 1 of file enums_1.js.

7.68 html/search/enums_2.js File Reference

Variables

· var searchData

7.68.1 Variable Documentation

7.68.1.1 var searchData

Initial value:

Definition at line 1 of file enums_2.js.

7.69 html/search/enums_3.js File Reference

Variables

· var searchData

7.69.1 Variable Documentation

7.69.1.1 var searchData

Initial value:

Definition at line 1 of file enums_3.js.

7.70 html/search/enums_4.js File Reference

Variables

- var searchData
- CommonEnums hpp

7.70.1 Variable Documentation

7.70.1.1 CommonEnums hpp

Definition at line 3 of file enums_4.js.

7.70.1.2 var searchData

Initial value:

Definition at line 1 of file enums_4.js.

7.71 html/search/enumvalues_0.js File Reference

Variables

- · var searchData
- · Texture hpp

7.71.1 Variable Documentation

7.71.1.1 **Texture hpp**

Definition at line 3 of file enumvalues 0.js.

7.71.1.2 var searchData

Initial value:

```
=
[
['blended',['BLENDED',['
../_texture_8hpp.html#a6d7a4a6c659ea62d6e2b9ced264c47cfa2dddf3d92f4ebca37b63bfd88f337f3a',1,'BLENDED():&#160
```

Definition at line 1 of file enumvalues_0.js.

7.72 html/search/enumvalues_1.js File Reference

Variables

7.72.1 Variable Documentation

7.72.1.1 var searchData

Initial value:

Definition at line 1 of file enumvalues_1.js.

7.73 html/search/enumvalues_2.js File Reference

Variables

· var searchData

7.73.1 Variable Documentation

7.73.1.1 var searchData

Initial value:

```
=
[
['empty',['EMPTY',['
../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97a122c16aa3b80b2bfb34149f0bdaddbbc',1,'NetMessage']]]
```

Definition at line 1 of file enumvalues_2.js.

7.74 html/search/enumvalues_3.js File Reference

Variables

· var searchData

7.74.1 Variable Documentation

7.74.1.1 var searchData

Initial value:

```
['flip_5fhorizontal',['FLIP_HORIZONTAL',['
../_common_enums_8hpp.html#a996afc83d9898beed790376b4895cadaa23b98cb24af21636cc83133ddbeea52d',1,'CommonEnums.hpp']]],
['flip_5fvertical',['FLIP_VERTICAL',['
../_common_enums_8hpp.html#a996afc83d9898beed790376b4895cadaabb1843a9e71dce3e31d14fd0ea18dlc5',1,'CommonEnums.hpp']]],
['full',['FULL',['
../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97ae31961e4d3c3c4f67f523cabb4d0877d',1,'NetMessage']]]
```

Definition at line 1 of file enumvalues_3.js.

7.75 html/search/enumvalues_4.js File Reference

Variables

· var searchData

7.75.1 Variable Documentation

7.75.1.1 var searchData

Initial value:

Definition at line 1 of file enumvalues_4.js.

7.76 html/search/enumvalues_5.js File Reference

Variables

· var searchData

7.76.1 Variable Documentation

7.76.1.1 var searchData

Initial value:

Definition at line 1 of file enumvalues_5.js.

7.77 html/search/enumvalues_6.js File Reference

Variables

7.77.1 Variable Documentation

7.77.1.1 var searchData

Initial value:

```
[
['menu',['Menu',['
.../_common_enums_8hpp.html#a808e5cd4979462d3bbe3070d7d147444ab61541208db7fa7dba42c85224405911',1,'CommonEnums.hpp']]],
['middle',['MIDDLE',['
.../_input_manager_8hpp.html#a7e5f61c59f658d9196d15f3b98f1e56ea1a2710fb8b50ea593b207d1e79fea574',1,'InputManager.hpp']]]
]
```

Definition at line 1 of file enumvalues_6.js.

7.78 html/search/enumvalues_7.js File Reference

Variables

- · var searchData
- CommonEnums hpp

7.78.1 Variable Documentation

7.78.1.1 CommonEnums hpp

Definition at line 3 of file enumvalues_7.js.

7.78.1.2 var searchData

Initial value:

Definition at line 1 of file enumvalues_7.js.

7.79 html/search/enumvalues_8.js File Reference

Variables

7.79.1 Variable Documentation

7.79.1.1 var searchData

Initial value:

```
[
['pause',['Pause',['
../_common_enums_8hpp.html#a808e5cd4979462d3bbe3070d7d147444a105b296a83f9c105355403f3332af50f',1,'CommonEnums.hpp']]],
['play'
```

Definition at line 1 of file enumvalues_8.js.

7.80 html/search/enumvalues_9.js File Reference

Variables

var searchData

7.80.1 Variable Documentation

7.80.1.1 var searchData

Initial value:

Definition at line 1 of file enumvalues_9.js.

7.81 html/search/enumvalues_a.js File Reference

Variables

- var searchData
- Texture hpp

7.81.1 Variable Documentation

7.81.1.1 **Texture hpp**

Definition at line 4 of file enumvalues_a.js.

7.81.1.2 var searchData

Initial value:

Definition at line 1 of file enumvalues_a.js.

7.82 html/search/enumvalues_b.js File Reference

Variables

· var searchData

7.82.1 Variable Documentation

7.82.1.1 var searchData

Initial value:

```
[
['writing',['WRITING',['
../class_net_message.html#a09aaa79b19ae071bd3fecfe5f90b0f97a0d6f9aa7a1d5756a47474d7c52839ac9',1,'NetMessage']]]
```

Definition at line 1 of file enumvalues_b.js.

7.83 html/search/files_0.js File Reference

Variables

· var searchData

7.83.1 Variable Documentation

7.83.1.1 var searchData

Initial value:

```
[
['_5fcommon_5fenums_5f8hpp_2ejs',['_common_enums_8hpp.js',['../_common_enums_8hpp_8js.html',1,'']]],
['_5finput_5fmanager_5f8hpp_2ejs',['_input_manager_8hpp.js',['../_input_manager_8hpp_8js.html',1,'']]],
['_5fnet_5f8hpp_2ejs',['_net_8hpp.js',['../_net__8hpp_8js.html',1,'']]],
['_5fsound_5fmanager_5f8hpp_2ejs',['_sound_manager_8hpp.js',['../_sound_manager_8hpp_8js.html',1,'']]]

'('_5ftexture_5f8hpp_2ejs',['_texture_8hpp.js',['../_texture_8hpp_8js.html',1,'']]]
```

Definition at line 1 of file files_0.js.

7.84 html/search/files_1.js File Reference

Variables

· var searchData

7.84.1 Variable Documentation

7.84.1.1 var searchData

Definition at line 1 of file files_1.js.

7.85 html/search/files_10.js File Reference

Variables

· var searchData

7.85.1 Variable Documentation

7.85.1.1 var searchData

Initial value:

```
[
['texture_2ecpp',['Texture.cpp',['../_texture_8cpp.html',1,'']]],
['texture_2ehpp',['Texture.hpp',['../_texture_8hpp.html',1,'']]],
['texturemanager_2ecpp',['TextureManager.cpp',['../_texture_manager_8cpp.html',1,'']]],
['texturemanager_2ehpp',['TextureManager.hpp',['../_texture_manager_8hpp.html',1,'']]],
['timer_2ecpp',['Timer.cpp',['../_timer_8cpp.html',1,'']]],
['timer_2ehpp',['Timer.hpp',['../_timer_8hpp.html',1,'']]],
['typedefs_5f0_2ejs',['typedefs_0.js',['../typedefs_0.8js.html',1,'']]]
```

Definition at line 1 of file files_10.js.

7.86 html/search/files_11.js File Reference

Variables

7.86.1 Variable Documentation

7.86.1.1 var searchData

Initial value:

```
['variables_5f0_2ejs',['variables_0.js',['.../variables_0.8js.html',1,'']]],
['variables_5f1_2ejs',['variables_1.js',['.../variables_1.8js.html',1,'']]],
['variables_5f10_2ejs',['variables_10.js',['.../variables_10.8js.html',1,'']]],
['variables_5f10_2ejs',['variables_11.js',['.../variables_11.8js.html',1,'']]],
['variables_5f11_2ejs',['variables_12.js',['.../variables_12.8js.html',1,'']]],
['variables_5f13_2ejs',['variables_13.js',['.../variables_13.8js.html',1,'']]],
['variables_5f14_2ejs',['variables_13.js',['.../variables_14.8js.html',1,'']]],
['variables_5f12_2ejs',['variables_2.js',['.../variables_15.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_2.js',['.../variables_2.28js.html',1,'']]],
['variables_5f3_2ejs',['variables_3.js',['.../variables_3.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_4.js',['.../variables_4.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_5.js',['.../variables_5.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_5.js',['.../variables_5.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_5.js',['.../variables_7.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_8.js',['.../variables_8.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_9.js',['.../variables_8.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_9.js',['.../variables_8.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_9.js',['.../variables_8.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_9.js',['.../variables_8.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f3_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f4_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f4_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f4_2ejs',['variables_6.js',['.../variables_6.8js.html',1,'']]],
['variables_5f4_2ejs',['va
```

Definition at line 1 of file files_11.js.

7.87 html/search/files_2.js File Reference

Variables

· var searchData

7.87.1 Variable Documentation

7.87.1.1 var searchData

Definition at line 1 of file files_2.js.

7.88 html/search/files_3.js File Reference

Variables

7.88.1 Variable Documentation

7.88.1.1 var searchData

Initial value:

```
[
['dynsections_2ejs',['dynsections.js',['../dynsections_8js.html',1,'']]]
]
```

Definition at line 1 of file files_3.js.

7.89 html/search/files_4.js File Reference

Variables

· var searchData

7.89.1 Variable Documentation

7.89.1.1 var searchData

Initial value:

Definition at line 1 of file files_4.js.

7.90 html/search/files_5.js File Reference

Variables

7.90.1 Variable Documentation

7.90.1.1 var searchData

Definition at line 1 of file files_5.js.

7.91 html/search/files_6.js File Reference

Variables

· var searchData

7.91.1 Variable Documentation

7.91.1.1 var searchData

Initial value:

```
['game_2ecpp',['Game.cpp',['../_game_8cpp.html',1,'']],
['game_2ehpp',['Game.hpp',['../_game_8hpp.html',1,'']],
['gameobject_2ehpp',['GameObject.hpp',['../_game_object_8hpp.html',1,'']]],
['gameoverstate_2ecpp',['GameOverState.cpp',['../_game_over_state_8cpp.html',1,'']]],
['gameoverstate_2ehpp',['GameOverState.hpp',['../_game_over_state_8hpp.html',1,'']]],
['gamestate_2ecpp',['GameState.cpp',['../_game_state_8cpp.html',1,'']]],
['gamestate_2ehpp',['GameState.hpp',['../_game_state_8hpp.html',1,'']]],
['gamestatemachine_2ecpp',['GameStateMachine.cpp',['../_game_state_machine_8cpp.html',1,'']]],
['gamestatemachine_2ehpp',['GameStateMachine.hpp',['../_game_state_machine_8hpp.html',1,'']]]]
```

Definition at line 1 of file files_6.js.

7.92 html/search/files_7.js File Reference

Variables

· var searchData

7.92.1 Variable Documentation

7.92.1.1 var searchData

Initial value:

```
=
[
['hierarchy_2ejs',['hierarchy.js',['../hierarchy_8js.html',1,'']]]
]
```

Definition at line 1 of file files_7.js.

7.93 html/search/files_8.js File Reference

Variables

· var searchData

7.93.1 Variable Documentation

7.93.1.1 var searchData

Initial value:

```
[
['inputmanager_2ecpp',['InputManager.cpp',['../_input_manager_8cpp.html',1,'']]],
['inputmanager_2ehpp',['InputManager.hpp',['../_input_manager_8hpp.html',1,'']]]
```

Definition at line 1 of file files_8.js.

7.94 html/search/files_9.js File Reference

Variables

· var searchData

7.94.1 Variable Documentation

7.94.1.1 var searchData

Initial value:

```
=
[
_ ['jquery_2ejs',['jquery.js',['../jquery_8js.html',1,'']]]
```

Definition at line 1 of file files_9.js.

7.95 html/search/files_a.js File Reference

Variables

7.95.1 Variable Documentation

7.95.1.1 var searchData

Initial value:

```
[
['logfile_2ecpp',['Logfile.cpp',['../_logfile_8cpp.html',1,'']]],
['logfile_2ehpp',['Logfile.hpp',['../_logfile_8hpp.html',1,'']]]]
```

Definition at line 1 of file files_a.js.

7.96 html/search/files_b.js File Reference

Variables

· var searchData

7.96.1 Variable Documentation

7.96.1.1 var searchData

Initial value:

```
[
['main_2ecpp',['main.cpp',['../main_8cpp.html',1,'']]],
['main_5f8cpp_2ejs',['main_8cpp.js',['../main_8cpp_8js.html',1,'']]],
['menubutton_2ecpp',['MenuButton.cpp',['../menu_button_8cpp.html',1,'']]],
['menubutton_2ehpp',['MenuButton.hpp',['../menu_button_8hpp.html',1,'']]],
['menustate_2ecpp',['MenuState.cpp',['../menu_state_8cpp.html',1,'']]],
['menustate_2ehpp',['MenuState.hpp',['../menu_state_8hpp.html',1,'']]]
```

Definition at line 1 of file files_b.js.

7.97 html/search/files_c.js File Reference

Variables

7.97.1 Variable Documentation

7.97.1.1 var searchData

Initial value:

```
[
['navtree_2ejs',['navtree.js',['../navtree_8js.html',1,'']]],
['navtreedata_2ejs',['navtreedata.js',['../navtreedata_8js.html',1,'']]],
['navtreeindex0_2ejs',['navtreeindex0.js',['../navtreeindex0_8js.html',1,'']]],
['navtreeindex1_2ejs',['navtreeindex1.js',['../navtreeindex1_8js.html',1,'']]],
['navtreeindex2_2ejs',['navtreeindex2.js',['../navtreeindex2_8js.html',1,'']]],
['net_2ecpp',['Net.cpp',['../_net_8cpp.html',1,'']]],
['net_2ehpp',['Net.hpp',['../_net_8hpp.html',1,'']]]
```

Definition at line 1 of file files_c.js.

7.98 html/search/files_d.js File Reference

Variables

· var searchData

7.98.1 Variable Documentation

7.98.1.1 var searchData

Initial value:

```
[
['pages_5f0_2ejs',['pages_0.js',['../pages__0_8js.html',1,'']]],
['pausestate_2ecpp',['PauseState.cpp',['../_pause_state_8cpp.html',1,'']]],
['pausestate_2ehpp',['PauseState.hpp',['../_pause_state_8hpp.html',1,'']]],
['playstate_2ecpp',['PlayState.cpp',['../_play_state_8cpp.html',1,'']]],
['playstate_2ehpp',['PlayState.hpp',['../_play_state_8hpp.html',1,'']]]
```

Definition at line 1 of file files_d.js.

7.99 html/search/files_e.js File Reference

Variables

7.99.1 Variable Documentation

7.99.1.1 var searchData

Initial value:

```
[
['readme_2emd',['README.md',['../_r_e_a_d_m_e_8md.html',1,'']]],
['resize_2ejs',['resize.js',['../resize_8js.html',1,'']]]
```

Definition at line 1 of file files e.js.

7.100 html/search/files_f.js File Reference

Variables

· var searchData

7.100.1 Variable Documentation

7.100.1.1 var searchData

Initial value:

```
[
['search_2ejs',['search.js',['.../search_8js.html',1,'']]],
['searchdata_2ejs',['searchdata.js',['.../searchdata_8js.html',1,'']]],
['settingstate_2ecpp',['SettingState.cpp',['.../_setting_state_8cpp.html',1,'']]],
['settingstate_2ehpp',['SettingState.hpp',['.../_setting_state_8hpp.html',1,'']]],
['soundmanager_2ecpp',['SoundManager.cpp',['.../_sound_manager_8cpp.html',1,'']]],
['soundmanager_2ehpp',['SoundManager.hpp',['.../_sound_manager_8hpp.html',1,'']]],
['struct_5fbutton_2ejs',['struct_button.js',['.../struct_button_8js.html',1,'']]],
['struct_5fame_5fstate_5fmachine_5f1_5f1_5fpending_5fchange_2ejs',['
struct_game_state_machine_1_1_pending_change.js',['.../struct_game_state_machine_1_1_pending_change_8js.html',1,'
['struct_5fimage_5fasset_2ejs',['struct_image_asset.js',['.../struct_image_asset_8js.html',1,'']]],
['struct_5fviewport_2ejs',['struct_text_asset.js',['.../struct_text_asset_8js.html',1,'']]],
['systemtime_2ecpp',['SystemTime.cpp',['.../system_time_8cpp.html',1,'']]],
['systemtime_2ehpp',['SystemTime.hpp',['.../system_time_8hpp.html',1,'']]]]
```

Definition at line 1 of file files_f.js.

7.101 html/search/functions_0.js File Reference

Variables

7.101.1 Variable Documentation

7.101.1.1 var searchData

Initial value:

```
[
['_5fipaddress',['_IpAddress',['../class___ip_address.html#a506aacadc3547fdcf490ae29920b89a0',1,'
    _IpAddress::_IpAddress()'],['../class___ip_address.html#a779dc52827ee785e41d9e71e1671cb5b',1,'
    _IpAddress::_IpAddress(Uint16 port)'],['../class___ip_address.html#a1ee372343aaca69c9b54b44252914f48',1,'
    _IpAddress::_IpAddress(std::string host, Uint16 port)']]]
```

Definition at line 1 of file functions 0.js.

7.102 html/search/functions_1.js File Reference

Variables

· var searchData

7.102.1 Variable Documentation

7.102.1.1 var searchData

Initial value:

Definition at line 1 of file functions_1.js.

7.103 html/search/functions_10.js File Reference

Variables

7.103.1 Variable Documentation

7.103.1.1 var searchData

Initial value:

```
[
['quit',['Quit',['.../class_net.html#af2836a9229d553bf106240ba2d3923e0',1,'Net::Quit()'],['
.../class_game.html#a8272be134d16c277bb014ad6a22fc357',1,'Game::quit()']]],
['quitlogging',['quitLogging',['../class_logfile.html#a2e15bad46a719cd239bablee3e20c6e4',1,'Logfile']]]
```

Definition at line 1 of file functions 10.js.

7.104 html/search/functions_11.js File Reference

Variables

· var searchData

7.104.1 Variable Documentation

7.104.1.1 var searchData

Initial value:

```
['readcookie',['readCookie',['../resize_8js.html#a578d54a5ebd9224fad0213048e7a49a7',1,'resize.js']]],
['ready',['Ready',['../class_tcp_socket.html#a6727e974bf44519c0695a25ffc168498',1, 'TopSocket']]],
['receive',['Receive',['../class_client_socket.html#ad66b7a5ad5a99fc144c0034267184344',1,'ClientSocket']]
['registerstate',['registerState',['../class_game_state_machine.html#a6741c2efa55780bd809a2889172a5717',1
    ,'GameStateMachine']]],
['removecolor',['removeColor',['../class_texture_manager.html#a7e9984dd269434403e25108bc7f9723c',1,'
        TextureManager']]],
['removefont', ['removeFont', ['../class_texture_manager.html#a89c9d1109c0b6434623c78844e938aa2',1,'
        TextureManager']]],
['removeMusic',['removeMusic',['../class_sound_manager.html#a55360940bcadf3858c37781cd0e97919',1,'
        SoundManager']]],
['removesfx', ['removeSFX', ['../class_sound_manager.html#a787bfb6e53cecd35f5d5ff13377f5fcf',1,'
        SoundManager']]],
['removetexture', | removeTexture', | ../class_texture_manager.html#ab845a8cb25c1773d41f293640b0bfc2a',1,'
        TextureManager']]],
['removetoinsertlater',['removeToInsertLater',['.../navtree_8js.html#aa78016020f40c28356aefd325cd4df74',1,
'navtree.js']],

['removeViewport',['removeViewport',['../class_texture_manager.html#aa437fd6651b21facf9a9ab5a19e5fe54',1,

'TextureManager']],

['render',['render',['../class_game.html#a15ddd769261d923827a3cdf41499c843',1,'Game::render()'],['
        ../class_game_over_state.html#a8c1dee88ec3505743033ad685b5d07cf',1,'GameOverState::render()'],['
         ../class\_game\_state.html\#acf2fa61a0f647a7563ea61de48bd445c',1,'GameState::render()'],['arministration of the context of the 
        ../class_game_state_machine.html#abfad06d5c6aa2f7d96a18e405f66565',1,'GameStateMachine::render()'],['
../class_menu_state.html#ad7afca66ece4a1e7bad77828e4f39f3e',1,'MenuState::render()'],['../class_pause_state.html#a9f4e2
PauseState::render()'],['../class_play_state.html#ad0b2654d0d822b853c6d06ee5c4a95c2',1,'PlayState::render()'],[
         '../class_setting_state.html#ade23556bc96502c5c32c18d77d9d97bf',1,'SettingState::render()'],['
          ../class_texture.html#a9c17fab430aec359ecbb1da2d30ee729',1,'Texture::render()']]],
['requeststackclear',['requestStackClear',['../class_game_state.html#adc2d30de38b7feb912e97c916b817616',1
          ,'GameState']]],
['requeststackpop',['requestStackPop',['../class_game_state.html#ad569d66f8d0865d27cd440fedd8ble3f',1,'
        GameState']]],
['requeststackpush',['requestStackPush',['../class_game_state.html#a9c76fffe7f14ec73a043f494d60c65c0',1,'
['reset',['reset',['../class_input_manager.html#ae91e72df4d98cae96c2dbd7121150249',1,'
InputManager::reset()'],['../class_net_message.html#add99c2a02lcb3c61db2la37ec74efef7',1,'NetMessage::reset()']]],
['resizeheight',['resizeHeight',['../resize_8js.html#a4bd3414bc1780222b192bcf33b645804',1,'resize_js']]],
['resizewidth',['resizeWidth',['../resize_8js.html#a99942f5b5c75445364f2437051090367',1,'resize_js']]],
['restorewidth',['restoreWidth',['../resize_8js.html#a517273f9259c941fd618dda7a901e6c2',1,'resize_js']]],
['resumemusic',['resumeMusic',['../class_sound_manager.html#abd77ddeb149ae99524d536e0f6f47507',1,
         SoundManager']]]
```

Definition at line 1 of file functions_11.js.

]

7.105 html/search/functions_12.js File Reference

Variables

· var searchData

7.105.1 Variable Documentation

7.105.1.1 var searchData

Initial value:

```
['searchbox',['SearchBox',['../search_8js.html#a52066106482f8136aa9e0ec859e8188f',1,'search.js']]],
['searchresults',['SearchResults',['../search_8js.html#a9189b9f7a32b6bc78240f40348f7fe03',1,'search.js']]
['selectandhighlight',['selectAndHighlight',['../navtree_8js.html#a0dbf0d5f6126afd88420745f7d3c202d',1,'
['send',['Send',['../class_client_socket.html#a3625f0f064636097e7512e001ce2f88a',1,'ClientSocket']]],
['setalpha',['setAlpha',['../class_texture.html#a80adda33cff336c88c76alc11c985b15',1,'Texture']]],
['setalphaoftexture',['setAlphaOfTexture',['../class_texture_manager.html#a1351013e3771ad4ae7bd13f9bb828c94',1,'TextureManager']]],
['setblendmode',['setBlendMode',['../class_texture.html#a103742a60e353103511ef8f4d2454e54',1,'Texture']]]
\hbox{['setblendmodeoftexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture',['setBlendModeOfTexture']] \\
../class_texture_manager.html#a141dclcfec39286adba22f215581b9d5',1,'TextureManager']]],
['setclassattr',['setClassAttr',['../search_8js.html#a499422fc054a5278ae32801ec0082c56',1,'search_js']],
['setcolor',['setColor',['../class_texture.html#a5cdea158eb4ea4568c9bbb4fa0339963',1,'Texture']]],
['setcoloroftexture',['setColorofTexture',['
        ../class_texture_manager.html#a81b1f761d46f5872bfafd2f34935a1f3',1,'TextureManager']]],
['setip',['SetIp',['../class__ip_address.html#a178be5654be576b51cb50179add9867c',,,'_IpAddress']]],
['setkeyactions',['setKeyActions',['../search_8js.html#a98192fa2929bb8e4b0a890a4909ab9b2',1,'search.js']]
       ],
['setsocket',['SetSocket',['../class_tcp_socket.html#aa778d049bb58a601b8a6863f0499fc3f',1,'
        TcpSocket::SetSocket()'],['../class_client_socket.html#aa2f5426d61e40d19db29e4df507529cc',1,'ClientSocket::SetSocket()'
['settingstate',['SettingState',['../class_setting_state.html#a8f01be54b7a28818d9856ce868387829',1,'
       SettingState']]],
['setxpos',['setXPos',['../class_vector2_d.html#ac94f12d39c408cdadff156b23b32e0a2',1,'Vector2D']]],
['setxpos',['setXPos',['../class_vector2_d.html#ada512eae5fee42d5b114d7b134656e7b',1,'Vector2D']]],
['shownode',['showNode',['../navtree_8js.html#a0238ad48be94f9f5fd305ea40b8f64ab',1,'navtree_js']]],
['showroot',['showRoot',['../navtree_8js.html#af98a8e3534da945399ea20870c0f3e92',1,'navtree_js']]],
['showsyncoff',['showSyncOff',['../navtree_8]s.html#af5a2e35349ead06febf12ccf5fc1f04c4',1,'navtree_js']]],
['showsyncoff',['showSyncOf',['../navtree_8]s.html#a6522b3f540ead0febf12ccf5fc1f04c4',1,'navtree_js']]],
['showSyncOn',['showSyncOn',['../navtree_8]s.html#a484095390aca39b6cb693d3fb22d32dd0',1,'navtree_js']]],
['start',['start',['../class_timer.html#a3a8b5272198d029779dc9302a54305a8',1,'Timer']]],
['starttimer',['startTimer',['../class_system_time.html#a88c644649bb4f4967f1b09ef5f3c6928',1,'SystemTime'
       ]]],
['stop',['stop',['../class_timer.html#a63f0eb44b27402196590a03781515dba',1,'Timer']]],
['storeLink',['storeLink',['.../navtree_8js.html#ade730323aadb971c053136b7758c9dce',1,'navtree.js']]],
['strippath',['stripPath',['.../navtree_8js.html#a9336c21407bb7ced644331eb7a2a6e35',1,'navtree.js']]],
['strippath2',['stripPath2',['.../navtree_8js.html#a70bc36adda6141a703fc7ee2b772ec63',1,'navtree.js']]]
```

Definition at line 1 of file functions_12.js.

7.106 html/search/functions_13.js File Reference

Variables

7.106.1 Variable Documentation

7.106.1.1 var searchData

Initial value:

Definition at line 1 of file functions_13.js.

7.107 html/search/functions_14.js File Reference

Variables

· var searchData

7.107.1 Variable Documentation

7.107.1.1 var searchData

Initial value:

```
[
['unloadbytes',['UnLoadBytes',['../class_net_message.html#a36e10edc0ed83e8f26b8755d0179a242',1,'
NetMessage']]],
['unpause',['unpause',['../class_timer.html#aa4dd50d7ed48ac73efed2950749d35d6',1,'Timer']]],
['unpause',['unpause',['../class_game.html#a79df6376b332d63c9eca0dcee30305c3',1,'Game::update()'],['
../class_game_object.html#ae83128d0e0efef691417779605ee037c',1,'GameObject::update()'],['
../class_game_over_state.html#ac62c26d8c7622675df9512f6c81428b44',1,'GameOverState::update()'],['
../class_game_state.html#acb677f14e87d9c320e8090fb1889bc80',1,'GameState::update()'],['
../class_game_state_machine.html#a7a3be350727fff550f09cc0499398cec',1,'GameStateMachine::update()'],['../class_input_mac' InputManager::update()'],['../class_menu_button.html#a86b038172871555da45606e20fa6bad7',1,'
MenuButton::update()'],['../class_menu_state.html#afc85836f8606a1ff127019f1dc73c5d1',1,'MenuState::update()'],['
../class_pause_state.html#aa2b1e972a1c6da67aaa62c4be9aa03c9',1,'PauseState::update()'],['
../class_pause_state.html#aa2b39807fbb6e77fcce0fa4caee106a2',1,'PlayState::update()'],['
../class_setting_state.html#a1f5a1f4587e55b3187438742d6848796',1,'SettingState::update()']],
['updatestripes',['updateStripes',['../dynsections_8js.html#a8f7493ad859d4fbf2523917511ee7177',1,'
dynsections.js']]]
```

Definition at line 1 of file functions_14.js.

7.108 html/search/functions_15.js File Reference

Variables

· var searchData

7.108.1 Variable Documentation

7.108.1.1 var searchData

Initial value:

Definition at line 1 of file functions_15.js.

7.109 html/search/functions_16.js File Reference

Variables

· var searchData

7.109.1 Variable Documentation

7.109.1.1 var searchData

Initial value:

```
=
[
['writecookie',['writeCookie',['../resize_8js.html#ad0822459a7d442b8c5e4db795d0aabb4',1,'resize.js']]]
]
```

Definition at line 1 of file functions_16.js.

7.110 html/search/functions_17.js File Reference

Variables

7.110.1 Variable Documentation

7.110.1.1 var searchData

Initial value:

Definition at line 1 of file functions_17.js.

7.111 html/search/functions_2.js File Reference

Variables

var searchData

7.111.1 Variable Documentation

7.111.1.1 var searchData

Initial value:

```
=
[
['b',['b',['../jquery_8js.html#a2fa551895933fae935a0a6b87282241d',1,'jquery.js']]]
```

Definition at line 1 of file functions_2.js.

7.112 html/search/functions_3.js File Reference

Variables

· var searchData

7.112.1 Variable Documentation

7.112.1.1 var searchData

Initial value:

Definition at line 1 of file functions_3.js.

7.113 html/search/functions_4.js File Reference

Variables

· var searchData

7.113.1 Variable Documentation

7.113.1.1 var searchData

Initial value:

Definition at line 1 of file functions_4.js.

7.114 html/search/functions_5.js File Reference

Variables

· var searchData

7.114.1 Variable Documentation

7.114.1.1 var searchData

Initial value:

```
[
['each',['each',['../jquery_8js.html#a871ff39db627c54c710a3e9909b8234c',1,'jquery.js']]],
['endtimer',['endTimer',['../class_system_time.html#a0b409b3645116fd98b8e4da6eb317bf6',1,'SystemTime']]],
['expandnode',['expandNode',['../navtree_8js.html#a4eb1f166c9d93b198e1621a4c787a412',1,'navtree.js']]],
['extend',['extend',['../jquery_8js.html#a5fb206c91c64dlbe35fde236706eab86',1,'jquery.js']]]
```

Definition at line 1 of file functions_5.js.

7.115 html/search/functions_6.js File Reference

Variables

· var searchData

7.115.1 Variable Documentation

7.115.1.1 var searchData

Initial value:

```
=
[
['finish',['finish',['../class_net_message.html#ala4e43eedd70acb2cfde384be8938213',1,'NetMessage']]],
['free'
```

Definition at line 1 of file functions_6.js.

7.116 html/search/functions_7.js File Reference

Variables

- · var searchData
- search js

7.116.1 Variable Documentation

7.116.1.1 search js

Definition at line 32 of file functions_7.js.

7.116.1.2 var searchData

Definition at line 1 of file functions_7.js.

7.117 html/search/functions_8.js File Reference

Variables

· var searchData

7.117.1 Variable Documentation

7.117.1.1 var searchData

Initial value:

```
['haltmusic',['haltMusic',['.../class_sound_manager.html#afc5e7be5lb78380ea6822186a4dec3f8',1,'
SoundManager']],
['handleevents',['handleEvents',['.../class_game.html#adb5563f62c0c82e3e42ec3650laa5698',1,'
Game:handleEvents()'],['.../class_game_over_state.html#a8ad92lacf3f50ac0a32d7eb44ee25d74',1,'GameOverState::handleEvent
'],['.../class_game_state.html#a84df5ae7ee8a0e5l97b228e4006f4ae1',1,'GameState::handleEvents()'],['
.../class_game_state_machine.html#a88c902835786b8clcc9890270dcf2e0a',1,'GameStateMachine::handleEvents()'],['
.../class_pause_state.html#a628f6bc4955efcca3ledb1531432ea',1,'MenuState::handleEvents()'],['
.../class_pause_state.html#a64263c179c2010d80d042b5121408ff',1,'PauseState::handleEvents()'],['
.../class_paly_state.html#a649b8c29dd63lea9709f7261602dbaa2',1,'PlayState::handleEvents()'],['
.../class_petting_state.html#a698f0759ee71daed7eb828f45e2deedc',1,'SettingState::handleEvents()']],
['hashurl',['hashUrl',['.../navtree_8js.html#a20695277530ala04eef8d289177a5e40',1,'navtree.js']]],
['hashvalue',['hashValue',['.../class_texture_manager.html#ab0e81c27dc87fde20e2ec4744996034f',1,'
TextureManager']]],
['highlightanchor',['highlightAnchor',['.../navtree_8js.html#a24ca42ef572b22df304676c1a0934475',1,'
HostSocket::HostSocket(_IpAddress &the_ip_address)'],['.../class_host_socket.html#ae0e3dfc6ac4a96dad8880558ff9b5519',1,'HostSocket::HostSocket(Uint16 port)']]]
```

Definition at line 1 of file functions_8.js.

7.118 html/search/functions_9.js File Reference

Variables

- · var searchData
- jquery js

7.118.1 Variable Documentation

7.118.1.1 jquery js

Definition at line 3 of file functions_9.js.

7.118.1.2 var searchData

Initial value:

Definition at line 1 of file functions_9.js.

7.119 html/search/functions_a.js File Reference

Variables

· var searchData

7.119.1 Variable Documentation

7.119.1.1 var searchData

Initial value:

Definition at line 1 of file functions_a.js.

7.120 html/search/functions_b.js File Reference

Variables

· var searchData

7.120.1 Variable Documentation

7.120.1.1 var searchData

Initial value:

Definition at line 1 of file functions b.js.

7.121 html/search/functions_c.js File Reference

Variables

· var searchData

7.121.1 Variable Documentation

7.121.1.1 var searchData

Initial value:

Definition at line 1 of file functions c.js.

7.122 html/search/functions_d.js File Reference

Variables

· var searchData

7.122.1 Variable Documentation

7.122.1.1 var searchData

Initial value:

Definition at line 1 of file functions d.js.

7.123 html/search/functions_e.js File Reference

Variables

· var searchData

7.123.1 Variable Documentation

7.123.1.1 var searchData

Initial value:

Definition at line 1 of file functions_e.js.

7.124 html/search/functions_f.js File Reference

Variables

· var searchData

7.124.1 Variable Documentation

7.124.1.1 var searchData

Initial value:

Definition at line 1 of file functions_f.js.

7.125 html/search/pages_0.js File Reference

Variables

· var searchData

7.125.1 Variable Documentation

7.125.1.1 var searchData

Initial value:

Definition at line 1 of file pages_0.js.

7.126 html/search/pages_1.js File Reference

Variables

· var searchData

7.126.1 Variable Documentation

7.126.1.1 var searchData

Initial value:

```
=
[
['sdl_5fframework',['sdl_framework',['../md_README.html',1,'']]]
]
```

Definition at line 1 of file pages_1.js.

7.127 html/search/search.js File Reference

Functions

- function convertTold (search)
- function getXPos (item)
- function **getYPos** (item)
- function SearchBox (name, resultsPath, inFrame, label)
- function SearchResults (name)
- function **setKeyActions** (elem, action)
- function setClassAttr (elem, attr)
- function createResults ()
- function init_search ()

7.127.1 Function Documentation

7.127.1.1 function convertTold (search)

Definition at line 1 of file search.js.

7.127.1.2 function createResults ()

Definition at line 722 of file search.js.

7.127.1.3 function getXPos (item)

Definition at line 24 of file search.js.

```
7.127.1.4 function getYPos ( item )

Definition at line 38 of file search.js.

7.127.1.5 function init_search ( )

Definition at line 777 of file search.js.

7.127.1.6 function SearchBox ( name, resultsPath, inFrame, label )

Definition at line 59 of file search.js.

7.127.1.7 function SearchResults ( name )

Definition at line 404 of file search.js.

7.127.1.8 function setClassAttr ( elem, attr )

Definition at line 716 of file search.js.

7.127.1.9 function setKeyActions ( elem, action )
```

7.128 html/search/searchdata.js File Reference

Variables

- var indexSectionsWithContent
- var indexSectionNames

Definition at line 709 of file search.js.

var indexSectionLabels

7.128.1 Variable Documentation

7.128.1.1 var indexSectionLabels

Initial value:

```
0: "All",
1: "Classes",
2: "Files",
3: "Functions",
4: "Variables",
5: "Typedefs",
6: "Enumerations",
7: "Enumerator",
8: "Pages"
```

Definition at line 27 of file searchdata.js.

7.128.1.2 var indexSectionNames

Initial value:

```
"all",
1: "classes",
2: "files",
3: "functions",
4: "variables",
5: "typedefs",
6: "enums",
7: "enumvalues",
8: "pages"
```

Definition at line 14 of file searchdata.js.

7.128.1.3 var indexSectionsWithContent

Initial value:

```
=
{
    0: "_abcdefghijklmnopqrstuvwxyz~",
    1: "_bcghilmnpstv",
    2: "_acdefghijlmnprstv",
    3: "_abcdefghijlmnopqrstuvw~",
    4: "_abcdfghiklmnprstvwxyz",
    5: "c",
    6: "bfmst",
    7: "bcefglmnprsw",
    8: "bs"
}
```

Definition at line 1 of file searchdata.js.

7.129 html/search/typedefs_0.js File Reference

Variables

· var searchData

7.129.1 Variable Documentation

7.129.1.1 var searchData

Initial value:

```
=
[
['charbuf',['charbuf',['../_net_8hpp.html#a5ad5cc46aebdcda07f8694c714f9f5db',1,'Net.hpp']]]
]
```

Definition at line 1 of file typedefs_0.js.

7.130 html/search/variables_0.js File Reference

Variables

· var searchData

7.130.1 Variable Documentation

7.130.1.1 var searchData

Initial value:

Definition at line 1 of file variables_0.js.

7.131 html/search/variables_1.js File Reference

Variables

· var searchData

7.131.1 Variable Documentation

7.131.1.1 var searchData

Initial value:

Definition at line 1 of file variables_1.js.

7.132 html/search/variables_10.js File Reference

Variables

· var searchData

7.132.1 Variable Documentation

7.132.1.1 var searchData

Initial value:

Definition at line 1 of file variables_10.js.

7.133 html/search/variables_11.js File Reference

Variables

· var searchData

7.133.1 Variable Documentation

7.133.1.1 var searchData

Initial value:

Definition at line 1 of file variables_11.js.

7.134 html/search/variables_12.js File Reference

Variables

· var searchData

7.134.1 Variable Documentation

7.134.1.1 var searchData

Initial value:

```
=
[
['width',['width',['../class_game_object.html#a461647c775e04bffb85977084a196542',1,'GameObject']]]
]
```

Definition at line 1 of file variables 12.js.

7.135 html/search/variables_13.js File Reference

Variables

var searchData

7.135.1 Variable Documentation

7.135.1.1 var searchData

Initial value:

```
[
['x',['x',['../struct_button.html#a2ec3bc40025b64b44319e7464164d61f',1,'Button']]],
['x1',['x1',['../struct_button.html#aedc881eba82814a7e6c62f3954b37665',1,'Button']]],
['x2',['x2',['../struct_button.html#aflcfe70765d31617c45alcd42b1763c0',1,'Button']]]
]
```

Definition at line 1 of file variables_13.js.

7.136 html/search/variables_14.js File Reference

Variables

· var searchData

7.136.1 Variable Documentation

7.136.1.1 var searchData

Initial value:

```
[
['y',['y',['../struct_button.html#afff35ce0c47f662c3b096e5b644648a5',1,'Button']]],
['y1',['y1',['../struct_button.html#a8b5ebffd19ed6c1708092d568f684ca3',1,'Button']]],
['y2',['y2',['../struct_button.html#aaa0cda56851a1ad65816d1f6849d6c6f',1,'Button']]]
```

Definition at line 1 of file variables_14.js.

7.137 html/search/variables_15.js File Reference

Variables

· var searchData

7.137.1 Variable Documentation

7.137.1.1 var searchData

Initial value:

```
=
[
['z',['Z',['../jquery_8js.html#adc18d83abfd9f87d396e8fd6b6ac0fe1',1,'jquery.js']]]
]
```

Definition at line 1 of file variables_15.js.

7.138 html/search/variables_2.js File Reference

Variables

- var searchData
- jquery js

7.138.1 Variable Documentation

7.138.1.1 jquery js

Definition at line 3 of file variables_2.js.

7.138.1.2 var searchData

Initial value:

Definition at line 1 of file variables_2.js.

7.139 html/search/variables_3.js File Reference

Variables

· var searchData

7.139.1 Variable Documentation

7.139.1.1 var searchData

Definition at line 1 of file variables_3.js.

7.140 html/search/variables_4.js File Reference

Variables

· var searchData

7.140.1 Variable Documentation

7.140.1.1 var searchData

Initial value:

Definition at line 1 of file variables_4.js.

7.141 html/search/variables_5.js File Reference

Variables

· var searchData

7.141.1 Variable Documentation

7.141.1.1 var searchData

Initial value:

Definition at line 1 of file variables_5.js.

7.142 html/search/variables_6.js File Reference

Variables

· var searchData

7.142.1 Variable Documentation

7.142.1.1 var searchData

Initial value:

Definition at line 1 of file variables_6.js.

7.143 html/search/variables_7.js File Reference

Variables

- · var searchData
- all 12 js

7.143.1 Variable Documentation

```
7.143.1.1 all_12 js
```

Definition at line 6 of file variables_7.js.

7.143.1.2 var searchData

Initial value:

```
[
['header',['header',['../resize_8js.html#af920c2a7d4f4b5a962fe8e11257f871d',1,'resize.js']]],
['height',['height',['../class_game_object.html#ae94d98451fb4345860810660a17b487b',1,'GameObject']]],
['hierarchy',['hierarchy',['../hierarchy_8js.html#ad9447ad30669c42ccb861cbe36a18f6b',1,'hierarchy.js']]],
['hpp',['hpp',['../all__12_8js.html#a9b3a14028c4ac90d2d427bf5496d99b6',1,'hpp():&#160
```

Definition at line 1 of file variables_7.js.

7.144 html/search/variables_8.js File Reference

Variables

· var searchData

7.144.1 Variable Documentation

7.144.1.1 var searchData

Initial value:

```
[
['indexsectionlabels',['indexSectionLabels',['../searchdata_8js.html#a529972e449c82dc118cbbd3bcf50c44d',1, 'searchdata.js']]],
['indexsectionnames',['indexSectionNames',['../searchdata_8js.html#a77149ceed055c6c6ce40973b5bdc19ad',1,' searchdata.js']]],
['indexsectionswithcontent',['indexSectionsWithContent',['../searchdata_8js.html#a6250af3c9b54dee6efc5f55f40c78126',1,'searchdata.js']]]
```

Definition at line 1 of file variables_8.js.

7.145 html/search/variables_9.js File Reference

Variables

· var searchData

7.145.1 Variable Documentation

7.145.1.1 var searchData

Initial value:

```
=
[
| ['k',['k',['../jquery_8js.html#ab26645c014aa005ecedef329ecf58c99',1,'jquery.js']]]
|
```

Definition at line 1 of file variables_9.js.

7.146 html/search/variables_a.js File Reference

Variables

· var searchData

7.146.1 Variable Documentation

7.146.1.1 var searchData

Initial value:

```
=
[
['1',['L',['../jquery_8js.html#a38ee4c0b5f4fe2a18d0c783af540d253',1,'jquery.js']]]
]
```

Definition at line 1 of file variables_a.js.

7.147 html/search/variables_b.js File Reference

Variables

· var searchData

7.147.1 Variable Documentation

7.147.1.1 var searchData

Initial value:

Definition at line 1 of file variables_b.js.

7.148 html/search/variables_c.js File Reference

Variables

- · var searchData
- · resize js

7.148.1 Variable Documentation

7.148.1.1 resize js

Definition at line 4 of file variables_c.js.

7.148.1.2 var searchData

Initial value:

Definition at line 1 of file variables_c.js.

7.149 html/search/variables_d.js File Reference

Variables

· var searchData

7.149.1 Variable Documentation

7.149.1.1 var searchData

Initial value:

```
[
['percentagex',['percentageX',['../struct_viewport.html#a3aae5ea2c692c02dc720113f717194e4',1,'Viewport']]
],
['percentagey',['percentageY',['../struct_viewport.html#a6f816b42779177d03cc5f966566d77ec',1,'Viewport']]
],
['position',['position',['../class_game_object.html#a63c71615f7543ca8f39fc32b9478c6c8',1,'GameObject']]]
```

Definition at line 1 of file variables_d.js.

7.150 html/search/variables_e.js File Reference

Variables

· var searchData

7.150.1 Variable Documentation

7.150.1.1 var searchData

Initial value:

```
=
[
['r',['r',['../class_game_object.html#adf0f33f5a103f8960b49e37ad390ee7d',1,'GameObject::r()'],['
../struct_button.html#aaf701ece10a82a5b764f7294b5906dbd',1,'Button::r()']]]
]
```

Definition at line 1 of file variables_e.js.

7.151 html/search/variables_f.js File Reference

Variables

- · var searchData
- all_0 js

7.151.1 Variable Documentation

7.151.1.1 all_0 js

Definition at line 5 of file variables_f.js.

7.151.1.2 var searchData

Initial value:

```
[
['screensize',['screenSize',['../class_game_state.html#ad3423b81fc080ffed781f6b1221cf1da',1,'GameState']]
],
['sdlflip',['sdlFlip',['../struct_image_asset.html#aa794dd8bc56cdfae4d4f708728a7fc2e',1,'
ImageAsset::sdlFlip()'],['../struct_text_asset.html#a2de5b7f134ae22d520fd03156b7f01fb',1,'TextAsset::sdlFlip()'],['../struct_button.html#alcbb461a9069ab71001f089acd4ce96c',1,'Button::sdlFlip()']]],
['searchdata',['searchData',['../all__0_8js.html#ad01a7523f103d6242ef9b045186123le',1,'searchData():&#160
```

Definition at line 1 of file variables f.js.

7.152 README.md File Reference

7.153 source/Game.cpp File Reference

```
#include <valgrind/callgrind.h>
#include "../header/Game.hpp"
#include "../header/GameOverState.hpp"
#include "../header/InputManager.hpp"
#include "../header/Logfile.hpp"
#include "../header/MenuState.hpp"
#include "../header/PauseState.hpp"
#include "../header/PlayState.hpp"
#include "../header/SettingState.hpp"
#include "../header/SoundManager.hpp"
#include "../header/SystemTime.hpp"
#include "../header/TextureManager.hpp"
#include <sstream>
```

7.154 source/GameOverState.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/InputManager.hpp"
#include "../header/Logfile.hpp"
#include "../header/MenuState.hpp"
#include "../header/PlayState.hpp"
#include "../header/SoundManager.hpp"
#include "../header/TextureManager.hpp"
```

7.155 source/GameState.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/GameState.hpp"
#include "../header/GameStateMachine.hpp"
#include "../header/InputManager.hpp"
#include "../header/Logfile.hpp"
#include "../header/SoundManager.hpp"
```

7.156 source/GameStateMachine.cpp File Reference

```
#include <cassert>
#include "../header/GameStateMachine.hpp"
```

7.157 source/InputManager.cpp File Reference

```
#include <sstream>
#include <string>
#include "../header/Game.hpp"
#include "../header/InputManager.hpp"
#include "../header/Logfile.hpp"
```

7.158 source/Logfile.cpp File Reference

```
#include <debug/macros.h>
#include "../header/Logfile.hpp"
#include "../header/SystemTime.hpp"
```

7.159 source/main.cpp File Reference

```
#include "../header/Game.hpp"
```

Functions

• int main (int argc, char *argv[])

7.159.1 Function Documentation

```
7.159.1.1 int main ( int argc, char * argv[])
```

Definition at line 3 of file main.cpp.

7.160 source/MenuButton.cpp File Reference

```
#include "../header/InputManager.hpp"
#include "../header/MenuButton.hpp"
#include "../header/TextureManager.hpp"
```

7.161 source/MenuState.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/InputManager.hpp"
#include "../header/MenuState.hpp"
#include "../header/PlayState.hpp"
#include "../header/SoundManager.hpp"
#include "../header/TextureManager.hpp"
```

7.162 source/Net.cpp File Reference

```
#include "../header/Net.hpp"
```

7.163 source/PauseState.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/InputManager.hpp"
#include "../header/MenuState.hpp"
#include "../header/PauseState.hpp"
#include "../header/SoundManager.hpp"
#include "../header/TextureManager.hpp"
```

7.164 source/PlayState.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/GameOverState.hpp"
#include "../header/InputManager.hpp"
#include "../header/MenuState.hpp"
#include "../header/PauseState.hpp"
#include "../header/PlayState.hpp"
#include "../header/TextureManager.hpp"
```

7.165 source/SettingState.cpp File Reference

```
#include "../header/SettingState.hpp"
```

7.166 source/SoundManager.cpp File Reference

```
#include "../header/Logfile.hpp"
#include "../header/SoundManager.hpp"
```

7.167 source/SystemTime.cpp File Reference

```
#include "../header/SystemTime.hpp"
```

7.168 source/Texture.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/Logfile.hpp"
#include "../header/Texture.hpp"
```

7.169 source/TextureManager.cpp File Reference

```
#include "../header/Game.hpp"
#include "../header/Logfile.hpp"
#include "../header/TextureManager.hpp"
```

7.170 source/Timer.cpp File Reference

```
#include "../header/Timer.hpp"
```

7.171 source/Vector2D.cpp File Reference

```
#include "../header/Vector2D.hpp"
```

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