



План: ok|file manager ok|tile map > scene > hero > main program > bullet > lenemy > |final gameplay

Status

```
<class... _MainUnit>
UnitCreator:
                                        - main_collisions: std::vector<b2FixtureDef>
<u>add[різні види колізій]</u>
                                        - main_world: b2World*
                                       + status: Status
                                      + start_linear_speed: sf::Vector2f
                                      + start angular speed: float
                                      + start linear damping: float
                                      + start_angular_damping: float
                                      + start_angle: float
                                     + start_position: sf::Vector2f
                                     + is fixed: bool
                                     + is bullet: bool
                                      + mass: float
                                      + gravity_scale: float
                                      + textue: sf::Texture*
                                       + states_and_texture_rects: Unit::StatesAndRectsOfTexture
                                      + start_state: std::string
                                      + size_of_visible_texture: sf::Vector2f
                                      + UnitCreator(world: b2World*)
                                     + ~UnitCreator()
                                      <class... Params>
                                     + create(_Vals: _Params...): std::shared_ptr<_MainUnit>
                                       + restart(new_world: b2World* = nullptr)
                                       + addCollision(collision: b2FixtureDef)
                                      + addBoxCollision(size: sf::Vector2f,
                                     position: sf::Vector2f = \{0,0\},\
                                      angle: float = 0.f,
                                      density: float = 0.5f,
                                     friction: float = 0.2f,
                                      restitution: float = 0.f)
                                      + addCircleCollision( redius: float,
                                     position: sf::Vector2f = {0,0},
                                     density: float = 0.5f,
                                     friction: float = 0.2f,
                                     restitution: float = 0.f)
                                       + addStateAndTextureRect(state: std::string, raf: Unit::RectAndFrames)
                                      + addStatesAndTexturesRect(init: std::initializer_list < std::pair < std::string, Unit::RectAndFrames> >)
                                       + loadTextureFromFile(file_name: std::string)
```

