

## [Help](#)

```
#ifndef _TOOLS_H
#define _TOOLS_H

#include "premia_obj.h"

void premia_spawnlp(const char *fhelp_name);
int Iterate(Planning *pt_plan, Iterator *pt_iterator, int count, char action,
            Model *pt_model, Option *pt_option, Pricing *pt_pricing, PricingMeth
            DynamicTest *pt_test, int user, TimeInfo *pt_time_info);
void Action(Model *pt_model, Option *pt_option, Pricing *pt_pricing, PricingMeth
            DynamicTest *pt_test, int user, Planning *pt_plan, TimeInfo *pt_time

int OutputFile(FILE **pt_file);
void InputMode(int *pt_user);

char ChooseAction(char);
char ChooseProduct(void);
int MoreAction(int *count);

int SelectModel(int user, Planning *pt_plan, Model * *listmod, Family **families
int Premia_model_has_products(Model *pt_model, Family **families, Pricing **pric
int SelectOption(int user, Planning *pt_plan, Family **listopt, Model *pt_model,
int MatchingPricing(Model *pt_model, Option *pt_option, Pricing **pricing);
int SelectPricing(int user, Model *pt_model, Option *pt_option, Pricing **family
int SelectMethod(int user, Planning *pt_plan, Pricing *pt_pricing, Option *opt,
int SelectTest(int user, Planning *pt_plan, Pricing *pt_pricing, Option *opt, Mo

void BuildGnuStuff(Planning *plan, Model *pt_model, Option *pt_option, Pricing *
int make_titles_file(char *name, Model *pt_model, Option *pt_option, Pricing *p
void begin_tex_file(FILE *f_tex);
void end_tex_file(FILE *f_tex);
void begin_gnu(FILE *fp);
void FurtherMsg(void);

void WellcomeMsg(int user);
int NextSession(Planning *pt_plan, char action, int user);

void FreeTest(DynamicTest *test);
```

```

void BuildGnuStuffTest(Model *model, Option *option, Pricing *pricing, PricingMe
int Premia_match_model_option(Model *pt_model, Option *pt_opt, Pricing **pricing

void get_model_helpfile(Model *mod, char *helpfile);
void get_option_helpfile(Option *opt, char *helpfile);
void get_method_helpfile(Pricing *Pr, PricingMethod *Met, char *helpfile);
void get_method_helpfile_with_ids(PricingMethod *Met, const char *mod_id, const

PremiaAsset* premia_get_asset_from_name(const char *name);
Model* premia_get_model_from_name(PremiaAsset *asset, const char *name);
Option* premia_get_option_from_name(PremiaAsset *asset, Model *model, const char
Option* premia_get_option_and_family_from_name(PremiaAsset *asset, Model *model,
PricingMethod* premia_get_method_from_name(PremiaAsset *asset, Model *model, Opt

#endif

```