

[Help](#)

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#ifndef _TOOLS_H
#define _TOOLS_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, PricingMethod *pt_method,
        DynamicTest *pt_test, int user, TimeInfo *pt_
    time_info);
void Action(Model *pt_model, Option *pt_option, Pricing *pt
    _pricing, PricingMethod *pt_method,
        DynamicTest *pt_test, int user, Planning *pt_pl
    an, TimeInfo *pt_time_info);

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 * *listm
    od, Family **families, Pricing **pricings, Model **mod);
int Premia_model_has_products(Model *pt_model, Family **fam
    ilies, Pricing **pricings);
int SelectOption(int user, Planning *pt_plan, Family **lis
    topt, Model *pt_model, Pricing **pricing, Option **opt);
int MatchingPricing(Model *pt_model, Option *pt_option,
    Pricing **pricing);
int SelectPricing(int user, Model *pt_model, Option *pt_
    option, Pricing **family, Pricing **result);
int SelectMethod(int user, Planning *pt_plan, Pricing *pt_
    pricing, Option *opt, Model *mod, PricingMethod **met);
int SelectTest(int user, Planning *pt_plan, Pricing *pt_
    pricing, Option *opt, Model *mod, PricingMethod *met, DynamicT
    est **test);

void BuildGnuStuff(Planning *plan, Model *pt_model, Option
    *pt_option, Pricing *pt_pricing, PricingMethod **pt_
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        method);
int  make_titles_file(char *name, Model *pt_model, Option *
        pt_option, Pricing *pt_pricing, PricingMethod **pt_method,
        int metno);
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, Prici
        ng *pricing, PricingMethod *method , DynamicTest *test);
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, cons
        t char *mod_id, const char *opt_id, char *helpfile);

#endif

```

## References